REGION 5 NECHES
2023 REGIONAL FLOOD PLAN

JANUARY 2023

PREPARED FOR THE

REGION 5 NECHES FLOOD PLANNING GROUP

APPENDIX 5-C
FLOOD MANAGEMENT EVALUATIONS (FME), FLOOD MANAGEMENT STRATEGIES (FMS), AND FLOOD MITIGATION PROJECT ONE-PAGERS

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Anderson County Update Flood Hazard Mapping

ID# 051000001   Sponsor: Anderson (County)

Recommended by RFPG? Yes   Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning   County: Anderson

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 495

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 61   # of structures: 69   # of critical facilities: 0
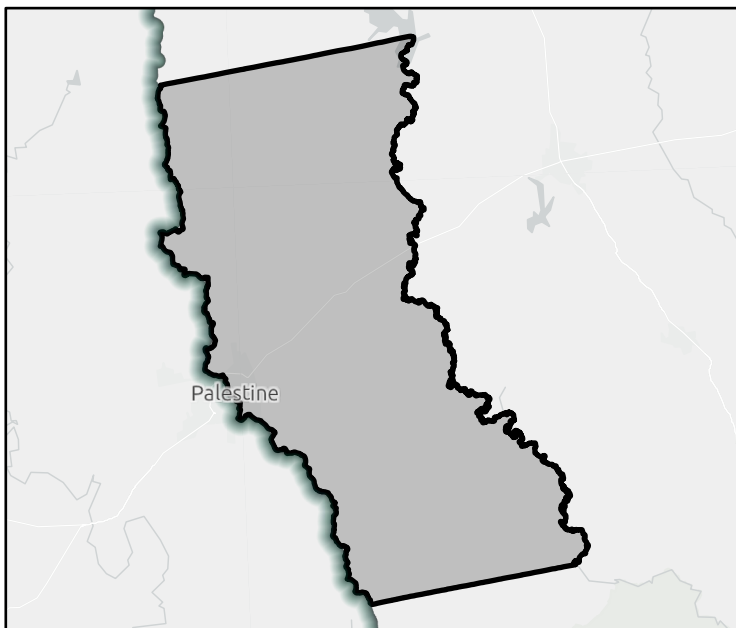
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

Farm/Ranch land impacted (ac.): 348   Roadways impacted (miles): 22

# of low water crossings: 2   # of historical road closures: 2

Estimated Cost and Funding Availability

Total Cost: $2,236,919   Potential federal funding availability? Yes   Potential Federal Funding Sources: _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title: Angelina County Update Flood Hazard Mapping

ID# 051000002   Sponsor: Angelina (County)

Recommended by RFPG? Yes   Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning   County: Angelina

Study description: Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 861

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.

Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk: 6,718   # of structures: 1,201   # of critical facilities: 11

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? Yes

Farm/Ranch land impacted (ac.): 165   Roadways impacted (miles): 66

# of low water crossings: 19   # of historical road closures: 19

Estimated Cost and Funding Availability

Total Cost: $3,900,000   Potential federal funding availability? Yes   Potential Federal Funding Sources: -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Chambers County Update Flood Hazard Mapping

ID# 051000003   Sponsor Chambers (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Chambers

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 434

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 1,128   # of structures 1,175   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 36,933   Roadways impacted (miles) 162

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $652,546   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

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REGIONAL FLOOD PLANNING GROUP

Title Cherokee County Update Flood Hazard Mapping

ID# 051000004   Sponsor Cherokee (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Cherokee

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 1,058

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 987   # of structures 672   # of critical facilities 1
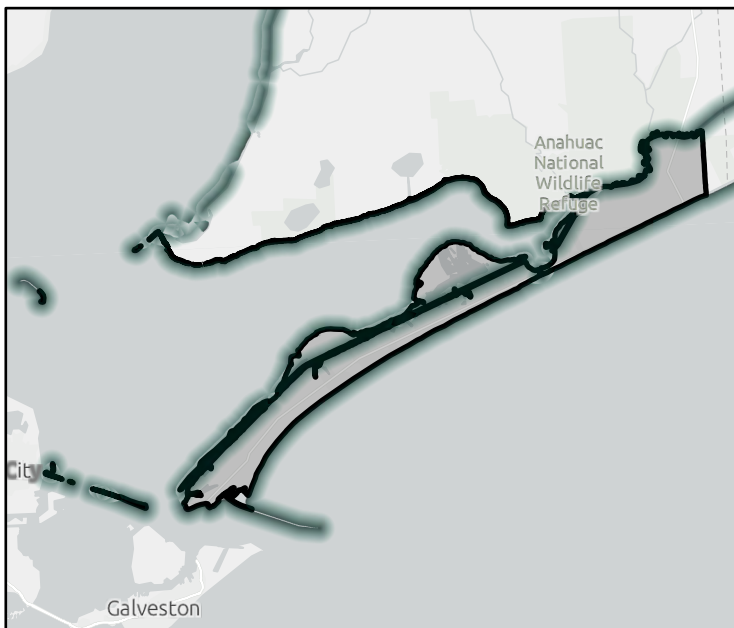
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

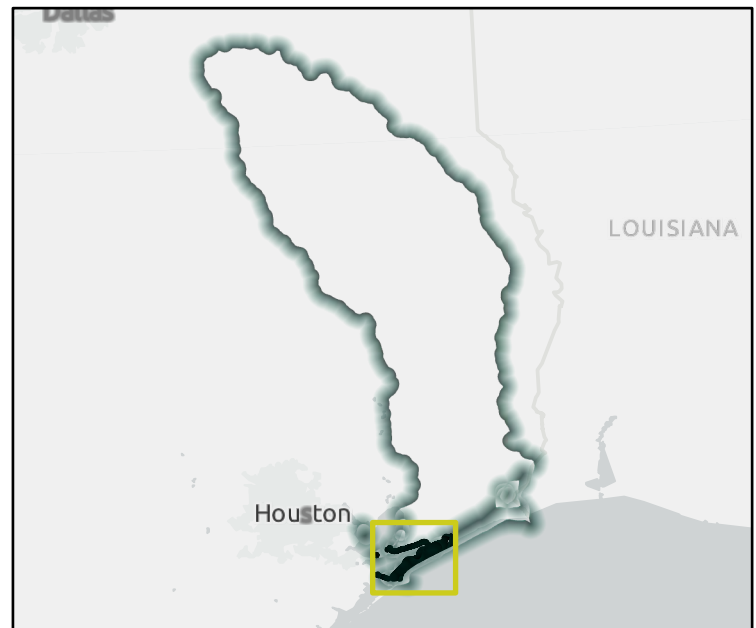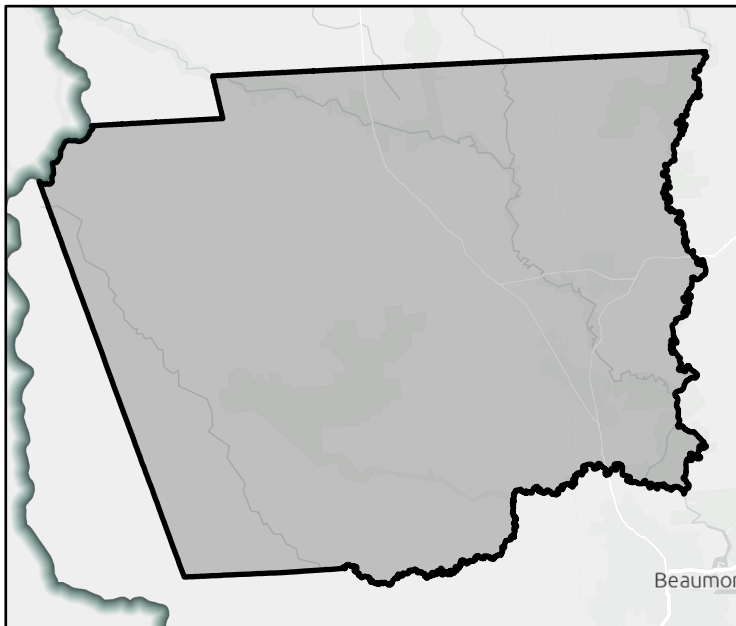Farm/Ranch land impacted (ac.) 920   Roadways impacted (miles) 49

# of low water crossings 10   # of historical road closures 10

Estimated Cost and Funding Availability

Total Cost $4,800,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Galveston County Update Flood Hazard Mapping

ID# 051000005   Sponsor Galveston (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Galveston

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 57

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.

Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 1,820   # of structures 4,937   # of critical facilities 8

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

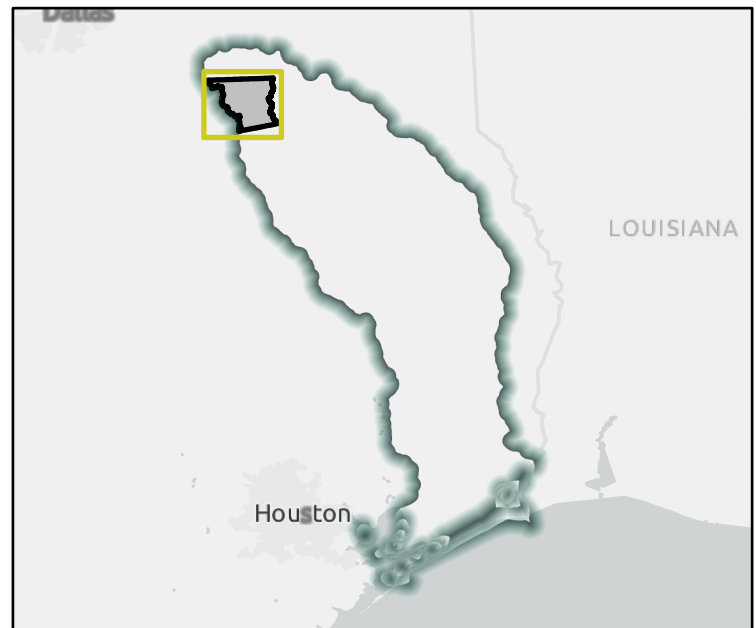Farm/Ranch land impacted (ac.) 330   Roadways impacted (miles) 143

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $68,502   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Hardin County Update Flood Hazard Mapping

ID# 051000006   Sponsor Hardin (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Hardin

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 888

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 7,212   # of structures 3,678   # of critical facilities 25

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 743   Roadways impacted (miles) 136

# of low water crossings 13   # of historical road closures 13

Estimated Cost and Funding Availability

Total Cost $1,800,000   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Henderson County Update Flood Hazard Mapping

ID# 051000007 **Sponsor** Henderson (County)

Recommended by RFPG? Yes **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Watershed Planning **County** Henderson

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes **Emergency Need?** Yes **Anticipated models in near term?** Yes **Drainage area (sq. mi., est.)** 374

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.

Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

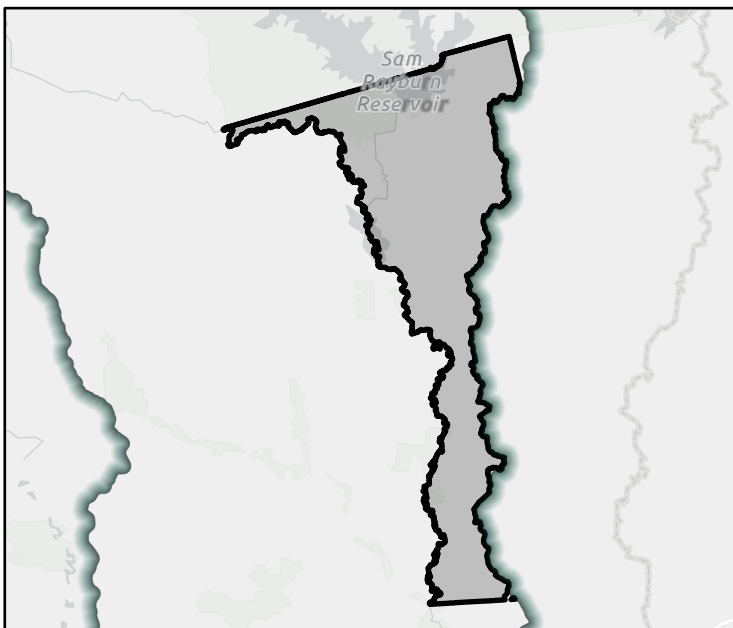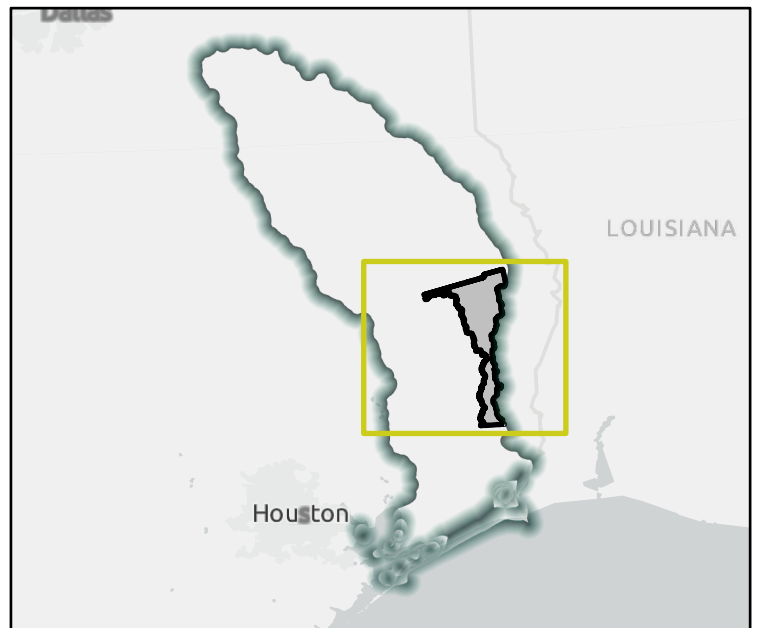**Population at risk** 162 **# of structures** 240 **# of critical facilities** 0

Flood risk type: Riverine? Yes **Coastal?** No **Local Flooding?** Yes **Other?** Yes

Farm/Ranch land impacted (ac.) 348 **Roadways impacted (miles)** 20

# of low water crossings 1 **# of historical road closures** 1

Estimated Cost and Funding Availability

Total Cost $1,681,614 **Potential federal funding availability?** Yes **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
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REGIONAL FLOOD PLANNING GROUP

Title Houston County Update Flood Hazard Mapping

ID# 051000008   Sponsor Houston (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Houston

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 418

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 16   # of structures 17   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? Yes

Farm/Ranch land impacted (ac.) 117   Roadways impacted (miles) 20
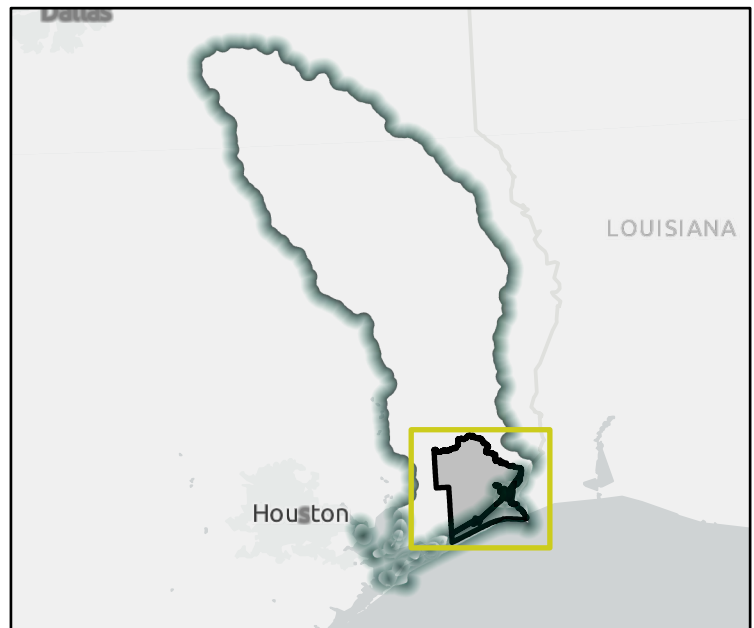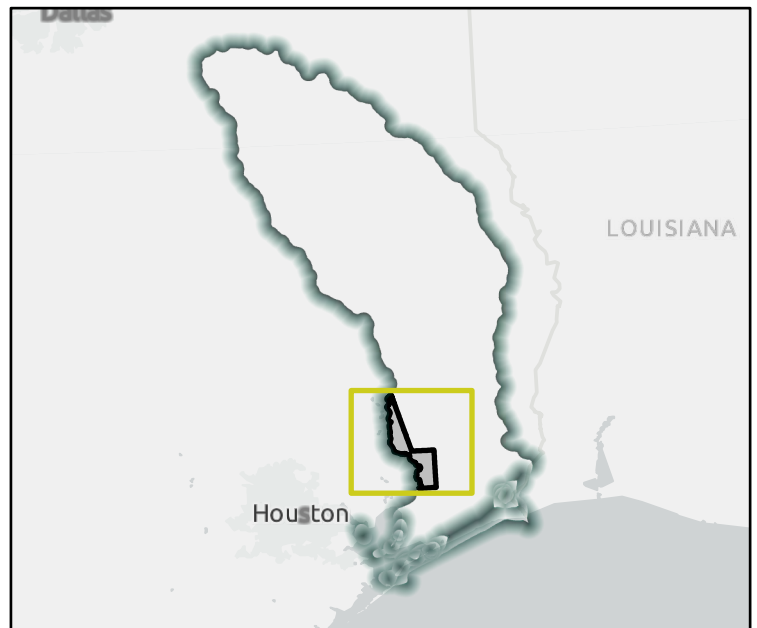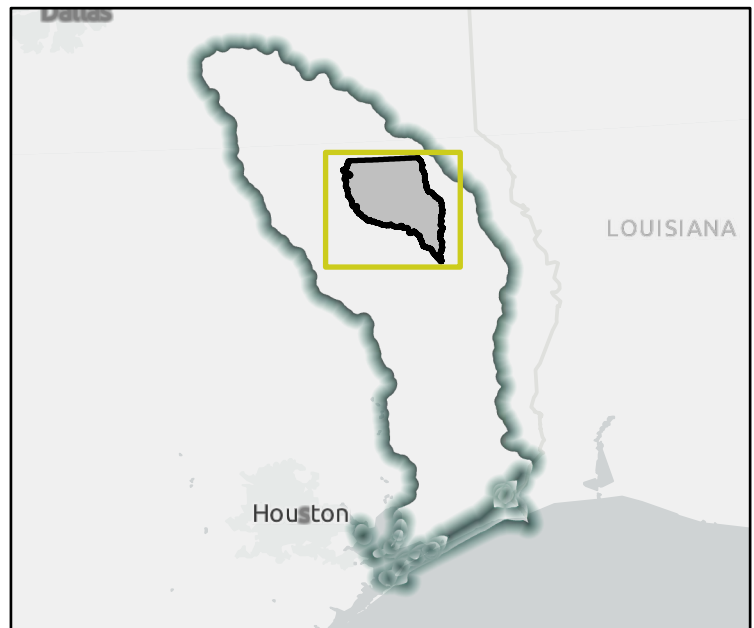
# of low water crossings 7   # of historical road closures 7

Estimated Cost and Funding Availability

Total Cost $1,697,174   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title **Jasper County Update Flood Hazard Mapping**

ID# **051000009**   Sponsor **Jasper (County)**

Recommended by RFPG? **Yes**   Reason for Recommendation **Complies with RFPG Goals**

Study Details

Study type **Watershed Planning**   County **Jasper**

Study description **Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.**

FME to create new H&H model? **Yes**   Emergency Need? **Yes**   Anticipated models in near term? **Yes**   Drainage area (sq. mi., est.) **615**

Goal(s) **Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.**
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk **1,388**   # of structures **756**   # of critical facilities **7**

Flood risk type: Riverine? **Yes**   Coastal? **No**   Local Flooding? **Yes**   Other? **Yes**

Farm/Ranch land impacted (ac.) **104**   Roadways impacted (miles) **46**

# of low water crossings **3**   # of historical road closures **3**

Estimated Cost and Funding Availability

Total Cost **$1,210,721**   Potential federal funding availability? **Yes**   Potential Federal Funding Sources **-**

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title Jefferson County Update Flood Hazard Mapping

ID# 051000010   Sponsor Jefferson (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Jefferson

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 954

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.

Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 26,027   # of structures 12,869   # of critical facilities 316

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 33,019   Roadways impacted (miles) 474
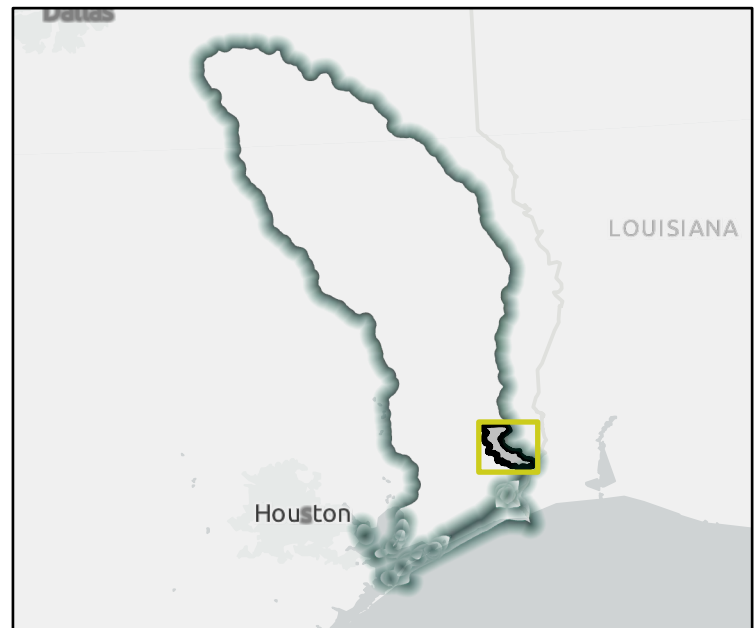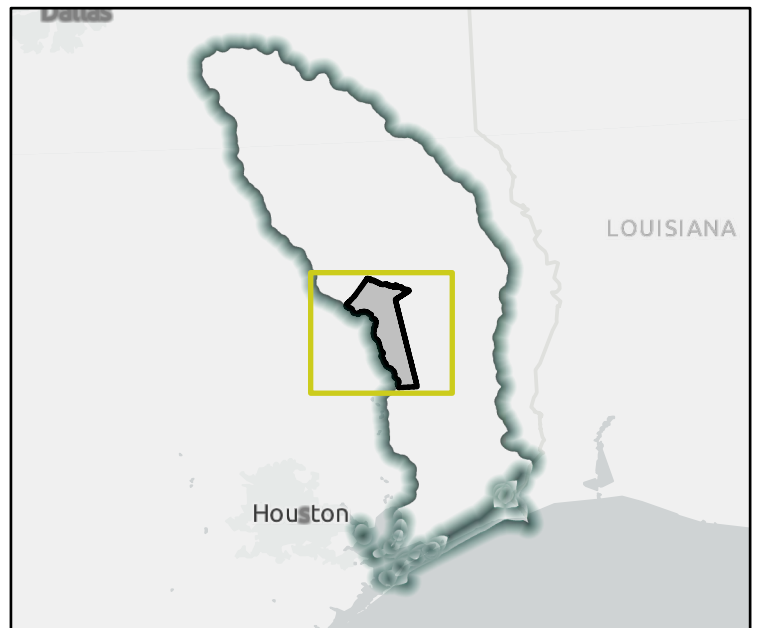
# of low water crossings 22   # of historical road closures 22

Estimated Cost and Funding Availability

Total Cost $1,900,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Liberty County Update Flood Hazard Mapping

ID# 051000011   **Sponsor** Liberty (County)

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Watershed Planning   **County** Liberty

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** Yes   **Drainage area (sq. mi., est.)** 235

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 140   **# of structures** 116   **# of critical facilities** 1

Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** No   **Other?** Yes

Farm/Ranch land impacted (ac.) 1,526   **Roadways impacted (miles)** 7

# of low water crossings 0   **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $402,626   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Nacogdoches County Update Flood Hazard Mapping

ID# 051000012   Sponsor Nacogdoches (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Nacogdoches

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 977

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 4,007   # of structures 585   # of critical facilities 1

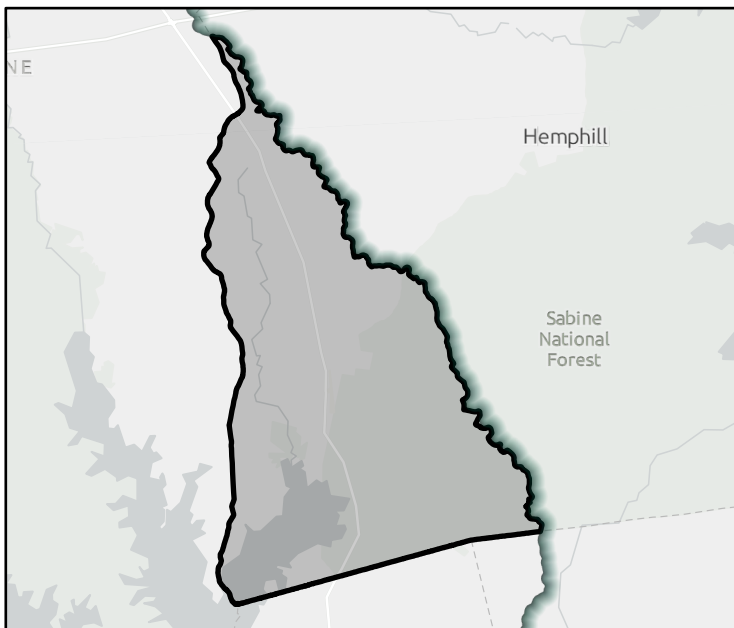Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

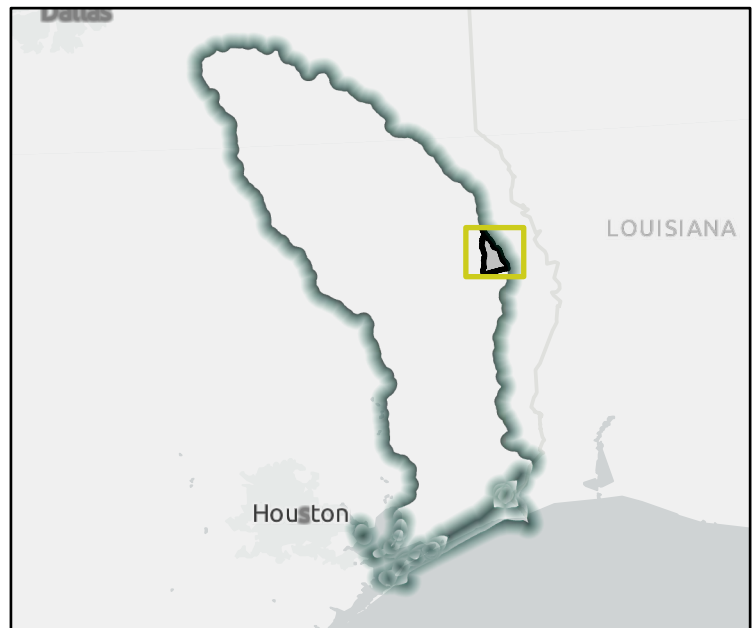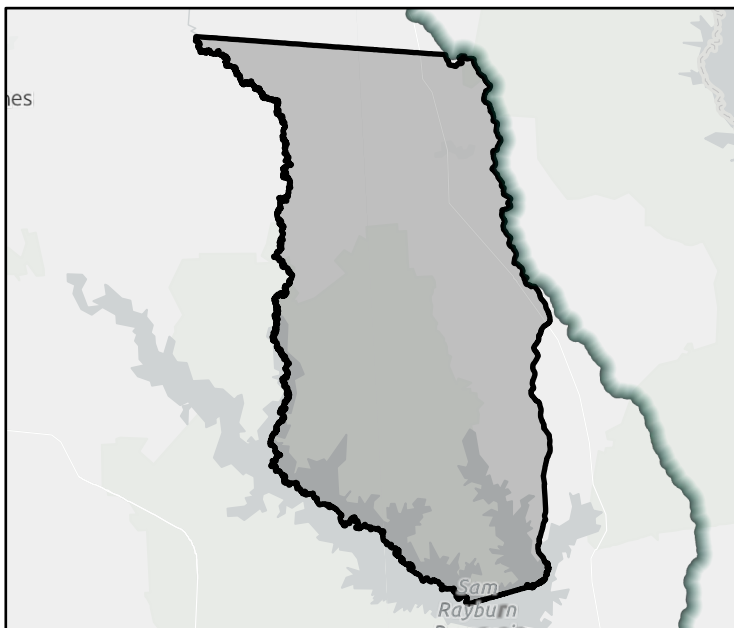Farm/Ranch land impacted (ac.) 240   Roadways impacted (miles) 38
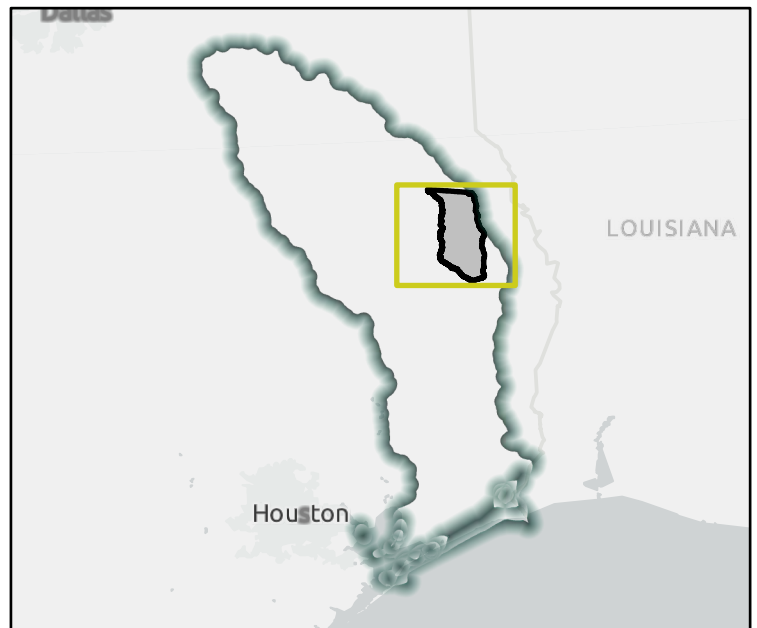
# of low water crossings 20   # of historical road closures 20

Estimated Cost and Funding Availability

Total Cost $4,400,000   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title   Orange County Update Flood Hazard Mapping

ID#   051000013   Sponsor   Orange (County)

Recommended by RFPG?   Yes   Reason for Recommendation   Complies with RFPG Goals

Study Details

Study type   Watershed Planning

County   Orange

Study description   Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model?   Yes   Emergency Need?   Yes   Anticipated models in near term?   Yes   Drainage area (sq. mi., est.)   156

Goal(s)   Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk   8,737   # of structures   5,007   # of critical facilities   36

Flood risk type: Riverine?   Yes   Coastal?   Yes   Local Flooding?   No   Other?   Yes

Farm/Ranch land impacted (ac.)   346   Roadways impacted (miles)   136
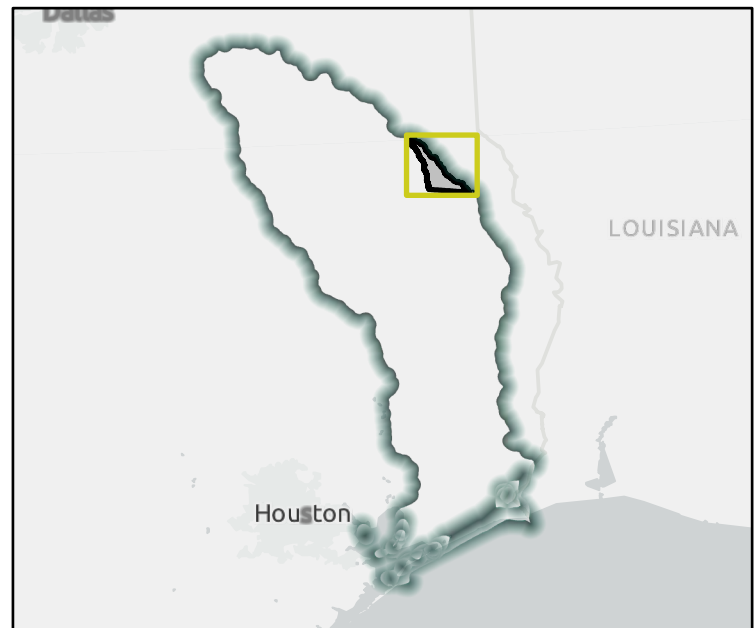
# of low water crossings   20   # of historical road closures   20

Estimated Cost and Funding Availability

Total Cost $760,000   Potential federal funding availability?   Yes   Potential Federal Funding Sources   -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Polk County Update Flood Hazard Mapping

ID# 051000014   Sponsor Polk (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Polk

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 535

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.

Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 321   # of structures 84   # of critical facilities 0

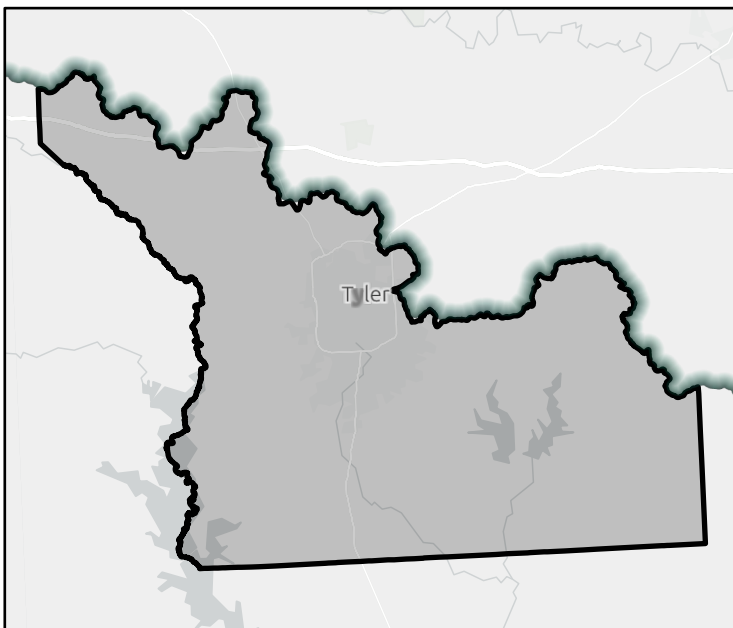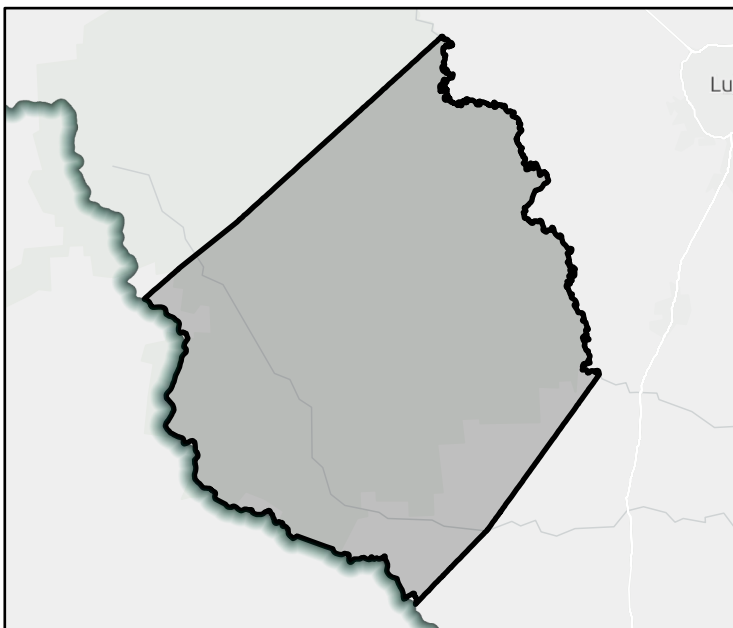Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 62   Roadways impacted (miles) 17

# of low water crossings 8   # of historical road closures 8

Estimated Cost and Funding Availability

Total Cost $375,054   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
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REGIONAL FLOOD PLANNING GROUP

Title Rusk County Update Flood Hazard Mapping

ID# 051000015   Sponsor Rusk (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Rusk

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 525

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 149   # of structures 91   # of critical facilities 1
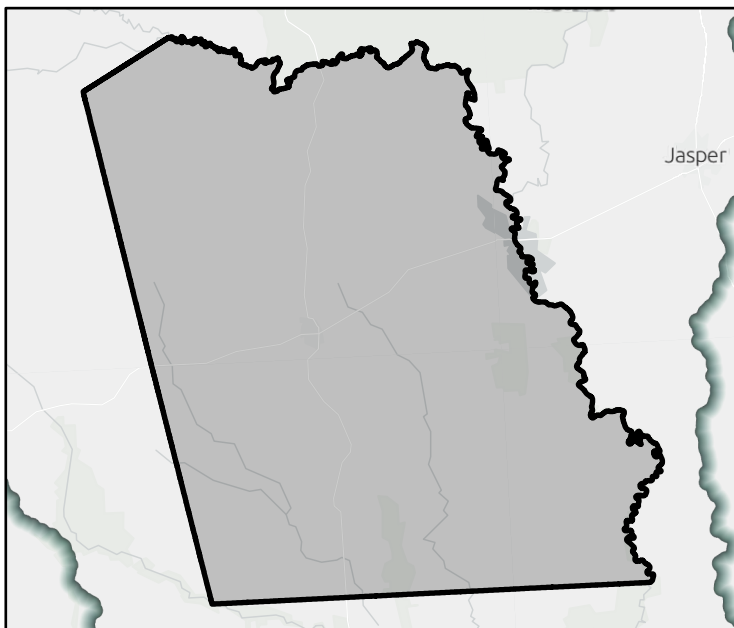
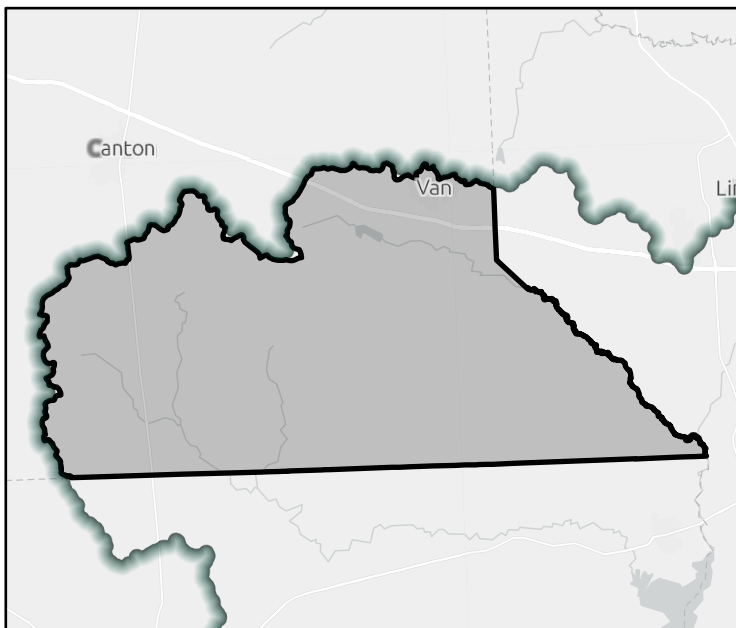Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

Farm/Ranch land impacted (ac.) 206   Roadways impacted (miles) 21

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $1,318,550   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title Sabine County Update Flood Hazard Mapping

ID# 051000016 **Sponsor** Sabine (County)

Recommended by RFPG? Yes **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Watershed Planning **County** Sabine

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes **Emergency Need?** Yes **Anticipated models in near term?** Yes **Drainage area (sq. mi., est.)** 95

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 16 **# of structures** 11 **# of critical facilities** 0

Flood risk type: Riverine? Yes **Coastal?** No **Local Flooding?** Yes **Other?** Yes

Farm/Ranch land impacted (ac.) 5 **Roadways impacted (miles)** 3

# of low water crossings 1 **# of historical road closures** 1

Estimated Cost and Funding Availability

Total Cost $182,571 **Potential federal funding availability?** Yes **Potential Federal Funding Sources** _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title San Augustine County Update Flood Hazard Mapping

ID# 051000017   Sponsor San Augustine (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County San Augustine

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 533

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.

Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 110   # of structures 64   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

Farm/Ranch land impacted (ac.) 42   Roadways impacted (miles) 13

# of low water crossings 2   # of historical road closures 2

Estimated Cost and Funding Availability

Total Cost $904,125   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title | Shelby County Update Flood Hazard Mapping

ID# 051000018 Sponsor Shelby (County)

Recommended by RFPG? Yes | Reason for Recommendation | Complies with RFPG Goals

Study Details

Study type | Watershed Planning | County Shelby

Study description | Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 160

Goal(s) | Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 7 | # of structures 15 | # of critical facilities 0

Flood risk type: Riverine? Yes | Coastal? No | Local Flooding? Yes | Other? No

Farm/Ranch land impacted (ac.) | 56 | Roadways impacted (miles) | 5

# of low water crossings | 4 | # of historical road closures | 4

Estimated Cost and Funding Availability

Total Cost | $711,827 | Potential federal funding availability? Yes | Potential Federal Funding Sources | _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title Smith County Update Flood Hazard Mapping

ID# 051000019   Sponsor Smith (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Smith

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 510

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

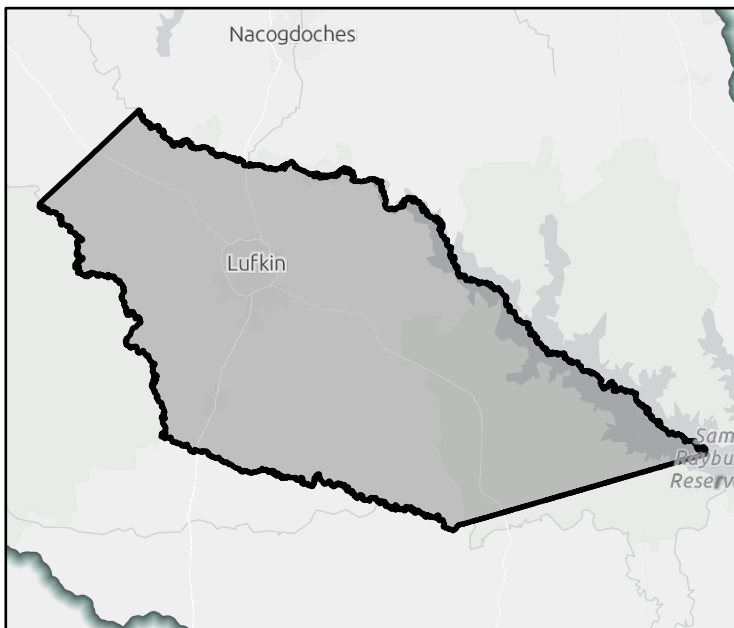Population at risk 6,216   # of structures 2,347   # of critical facilities 72

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? Yes

Farm/Ranch land impacted (ac.) 216   Roadways impacted (miles) 50

# of low water crossings 42   # of historical road closures 42

Estimated Cost and Funding Availability

Total Cost $1,225,342   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Trinity County Update Flood Hazard Mapping

ID# 051000020   Sponsor Trinity (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Trinity

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 342

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.

Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 15   # of structures 32   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

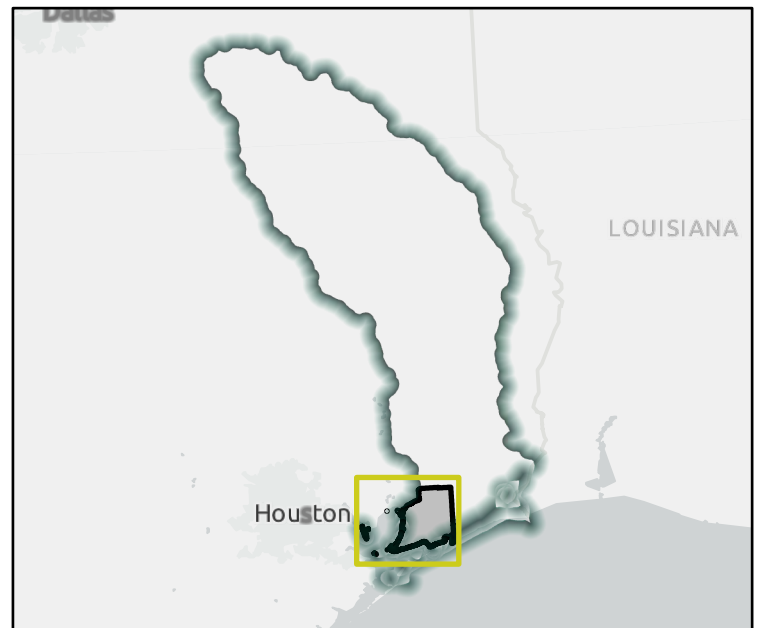Farm/Ranch land impacted (ac.) 68   Roadways impacted (miles) 22

# of low water crossings 1   # of historical road closures 1

Estimated Cost and Funding Availability

Total Cost $1,540,238   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Tyler County Update Flood Hazard Mapping

ID# 051000021   Sponsor Tyler (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Tyler

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 932

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 278   # of structures 545   # of critical facilities 0
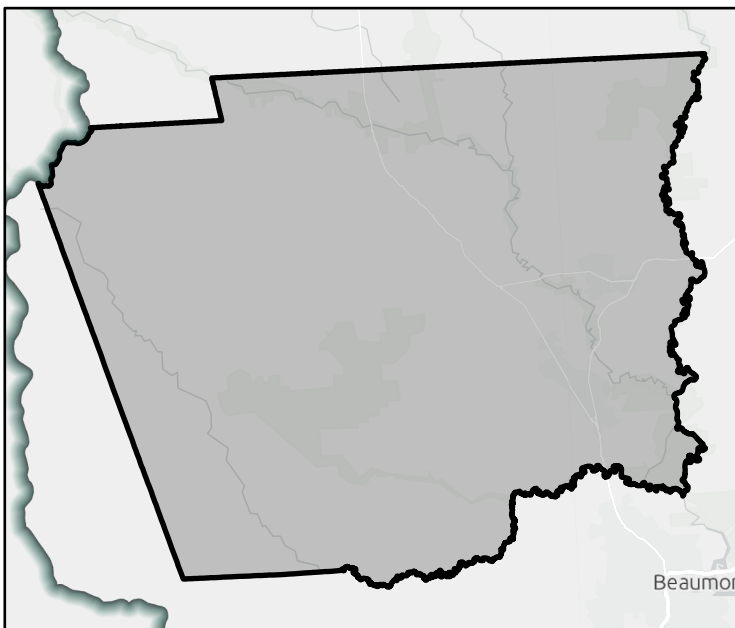
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 82   Roadways impacted (miles) 42

# of low water crossings 8   # of historical road closures 8

Estimated Cost and Funding Availability

Total Cost $1,800,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title Van Zandt County Update Flood Hazard Mapping

ID# 051000022   Sponsor Van Zandt (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Van Zandt

Study description Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 244

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

100-Year Flood Risk Summary

Population at risk 202   # of structures 217   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? Yes

Farm/Ranch land impacted (ac.) 232   Roadways impacted (miles) 13
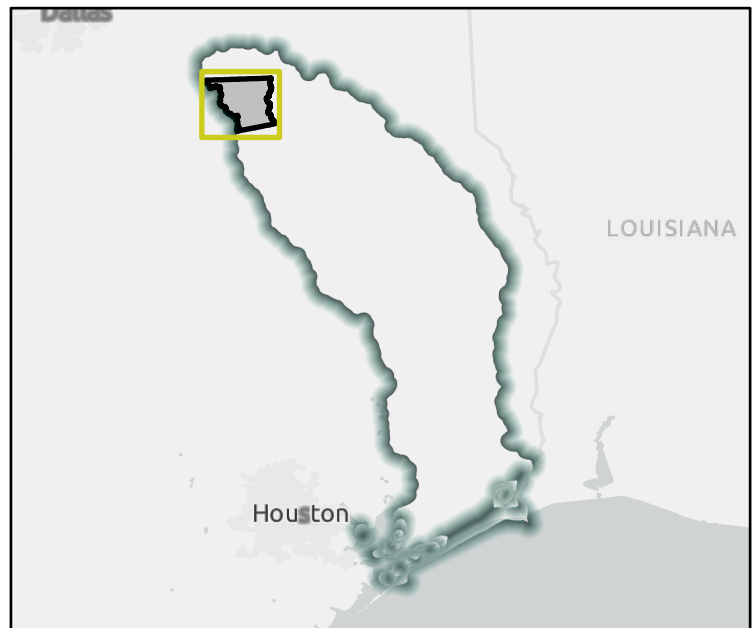
# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $1,111,237   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title   Anderson County Master Drainage Plan

ID# 051000023   Sponsor Anderson (County)

Recommended by RFPG? Yes   Reason for Recommendation   Complies with RFPG Goals

Study Details

Study type   Watershed Planning   County Anderson

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 495

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 61   # of structures 69   # of critical facilities 0

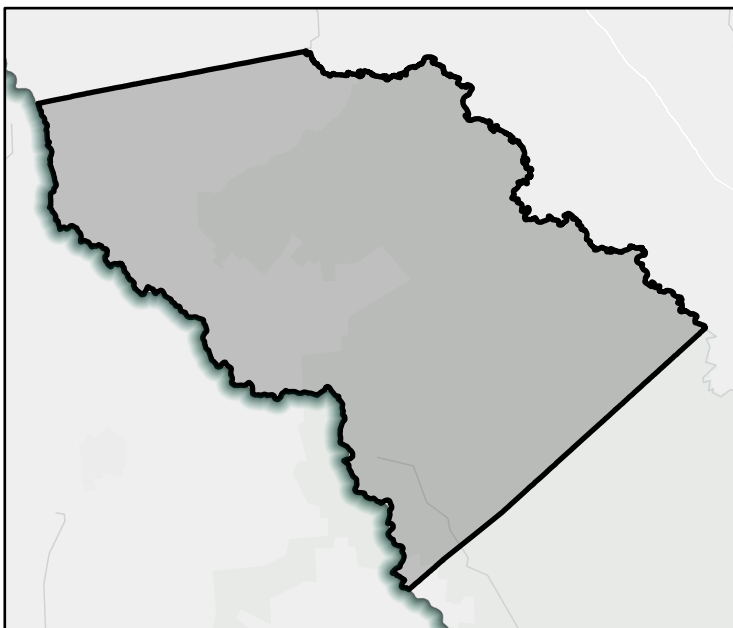Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

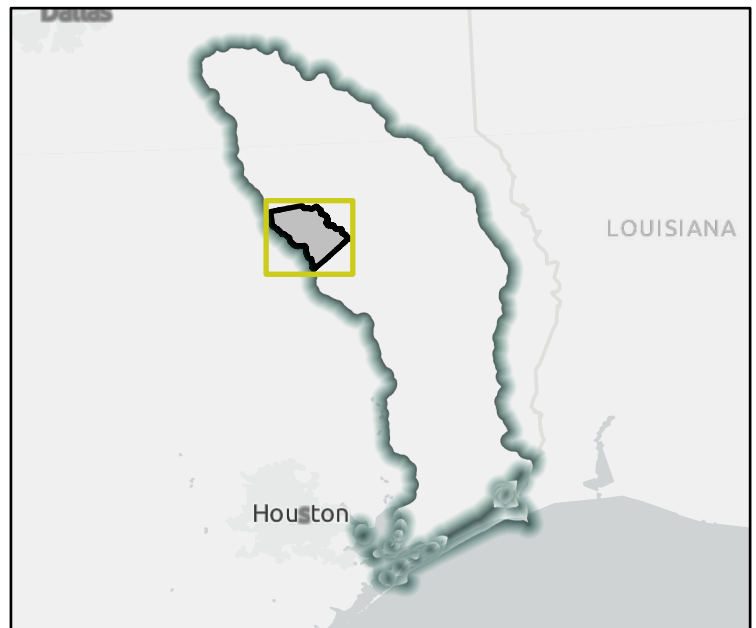Farm/Ranch land impacted (ac.) 348   Roadways impacted (miles) 22

# of low water crossings 2   # of historical road closures 2

Estimated Cost and Funding Availability

Total Cost $737,953   Potential federal funding availability? Yes   Potential Federal Funding Sources -
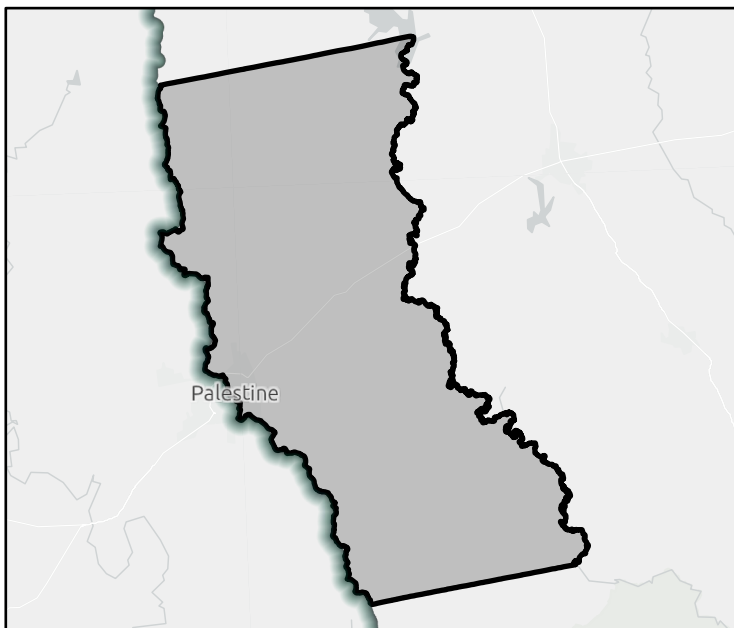
FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Angelina County Master Drainage Plan

ID# 051000024   Sponsor Angelina (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Angelina

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 861

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 6,718   # of structures 1,201   # of critical facilities 11
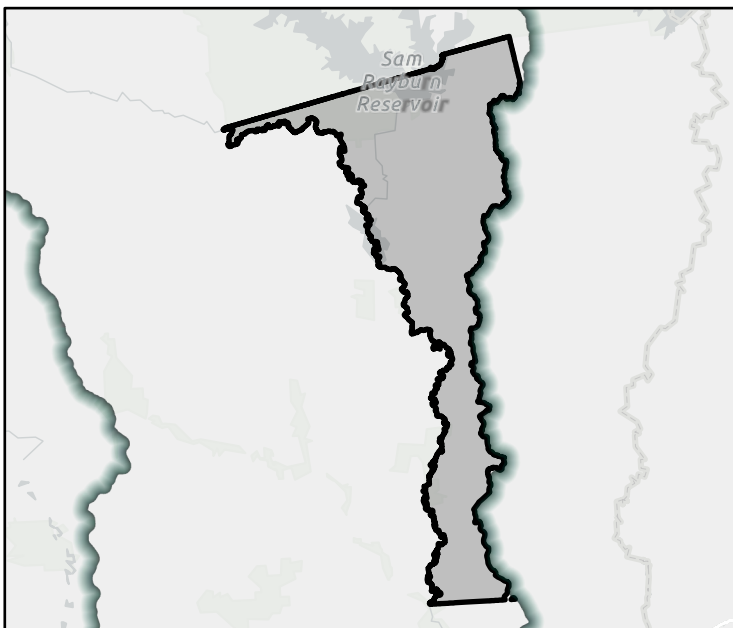
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? Yes

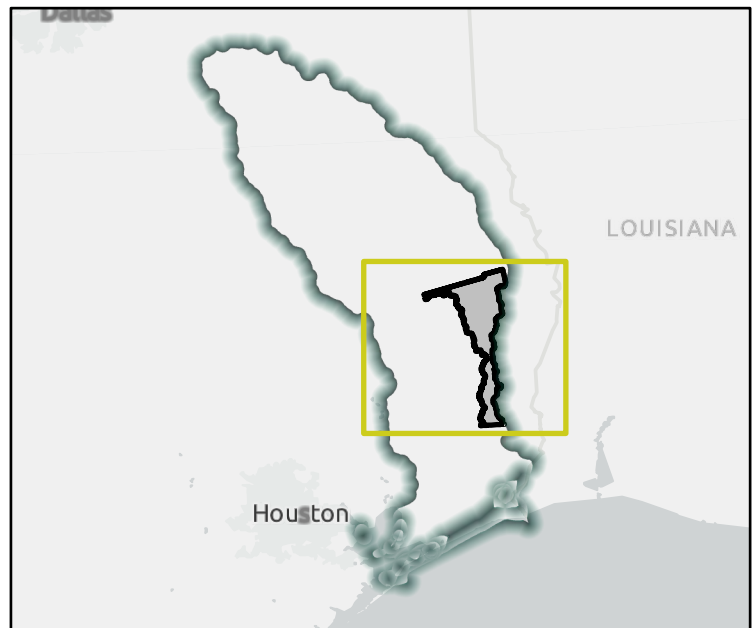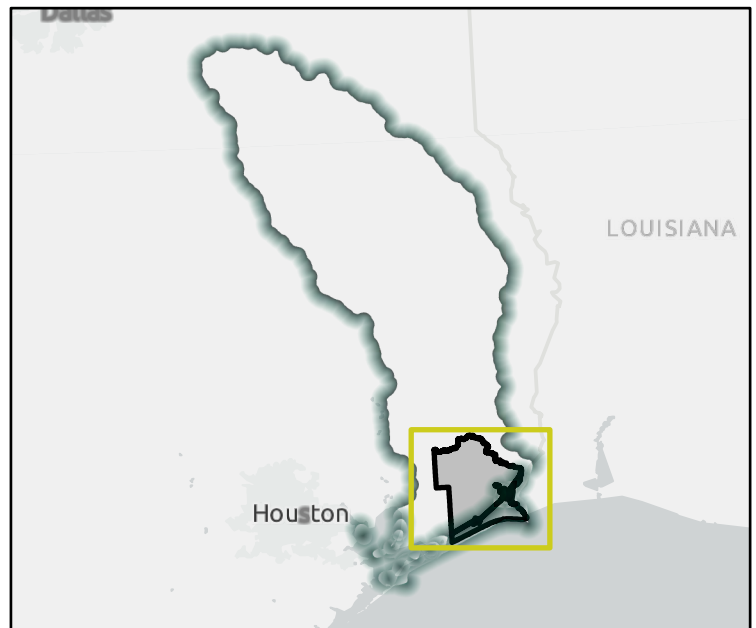Farm/Ranch land impacted (ac.) 165   Roadways impacted (miles) 66

# of low water crossings 19   # of historical road closures 19

Estimated Cost and Funding Availability

Total Cost $1,700,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Chambers County Master Drainage Plan

ID# 051000025   Sponsor Chambers (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Chambers

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 434

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

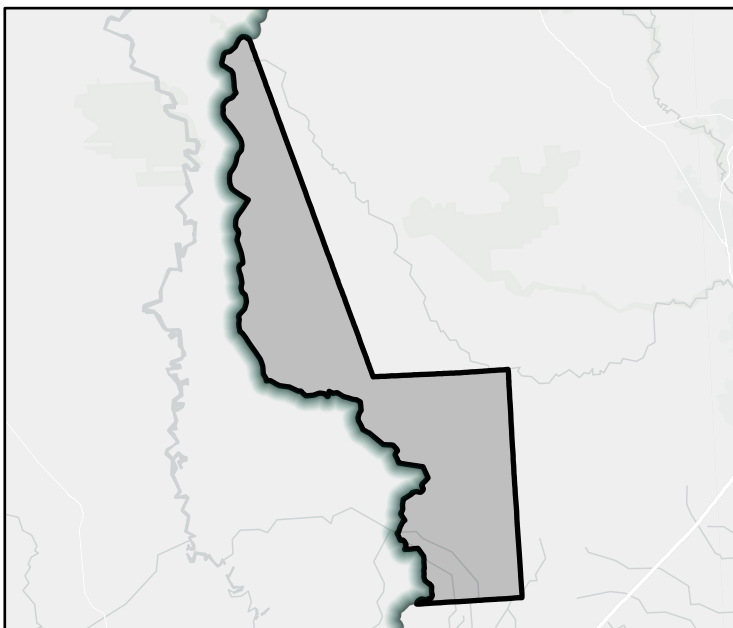Population at risk 1,128   # of structures 1,175   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 36,933   Roadways impacted (miles) 162

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $1,600,000   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

25 of 157

Flood Management Evaluation (FME)

Title Cherokee County Master Drainage Plan

ID# 051000026   Sponsor Cherokee (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Cherokee

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 1,058

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 987   # of structures 672   # of critical facilities 1

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

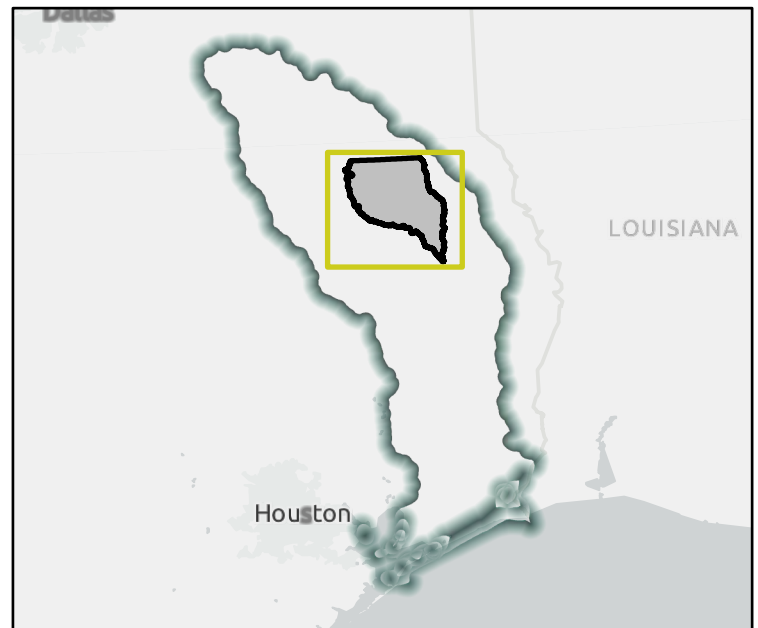Farm/Ranch land impacted (ac.) 920   Roadways impacted (miles) 49

# of low water crossings 10   # of historical road closures 10

Estimated Cost and Funding Availability

Total Cost $1,600,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Hardin County Master Drainage Plan

ID# 051000027   Sponsor Hardin (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Hardin

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 888

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

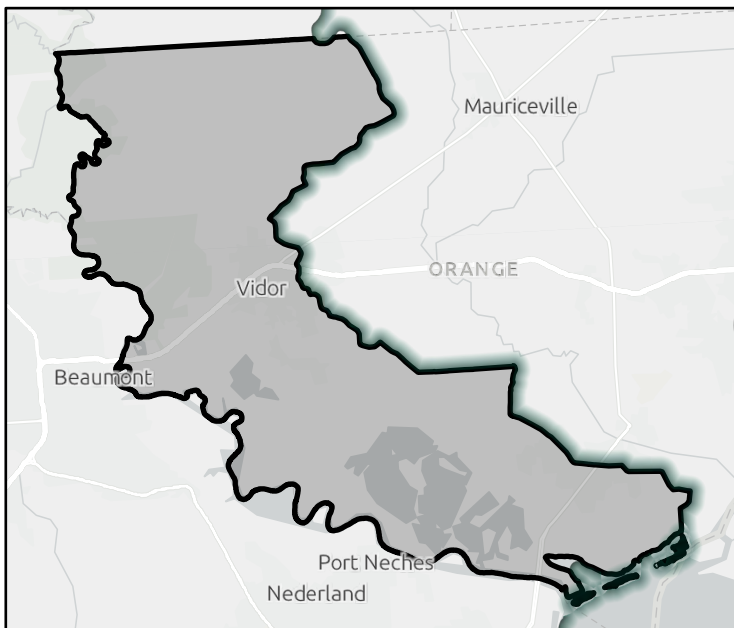Population at risk 7,212   # of structures 3,678   # of critical facilities 25

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 743   Roadways impacted (miles) 136
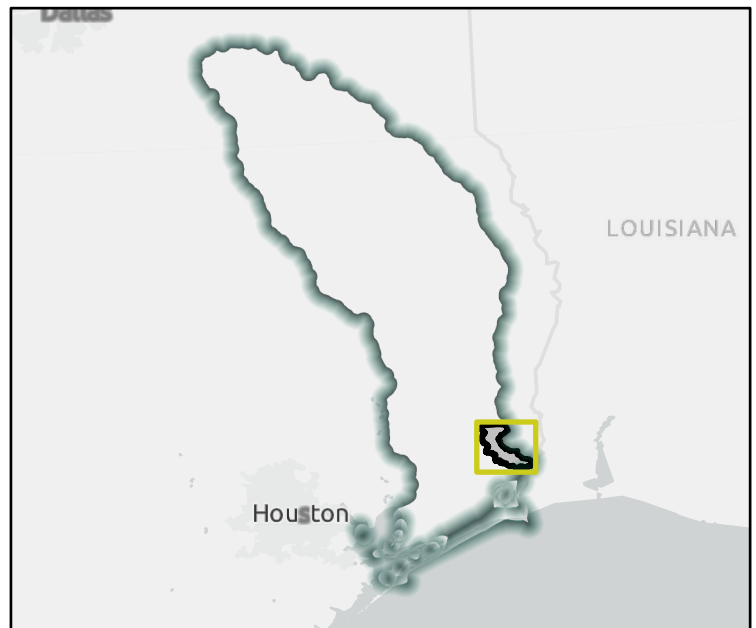
# of low water crossings 13   # of historical road closures 13

Estimated Cost and Funding Availability

Total Cost $1,000,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Henderson County Master Drainage Plan

ID# 051000028   Sponsor Henderson (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Henderson

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 374

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 162   # of structures 240   # of critical facilities 0
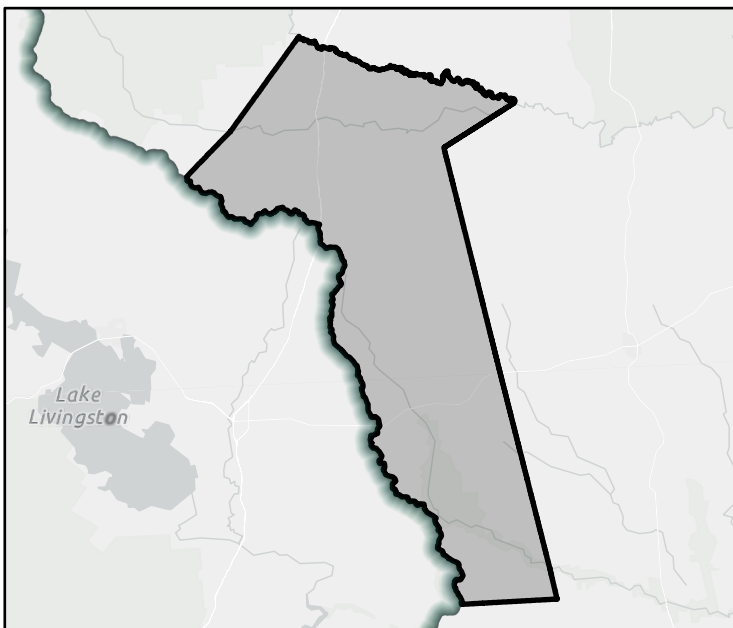
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? Yes

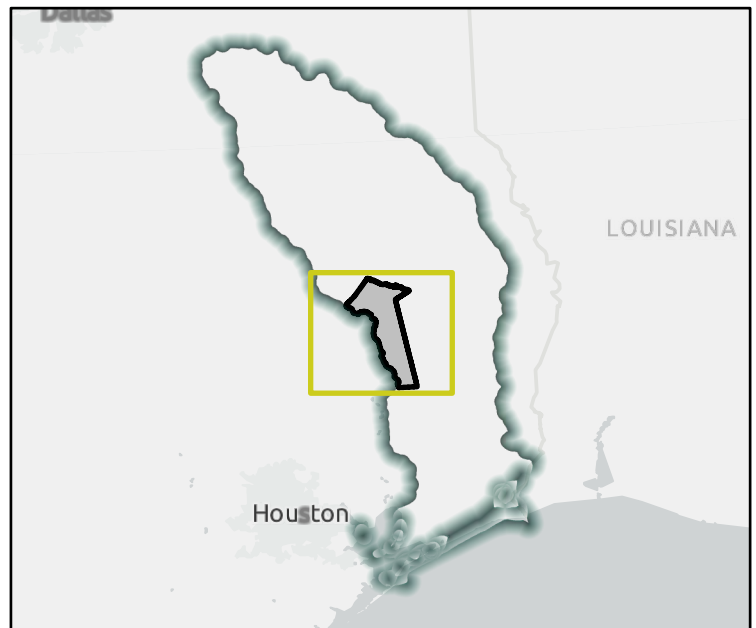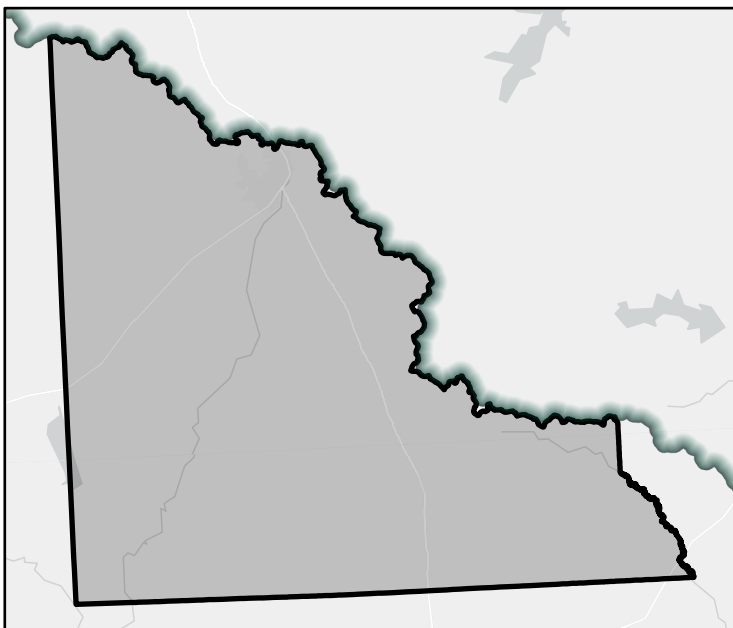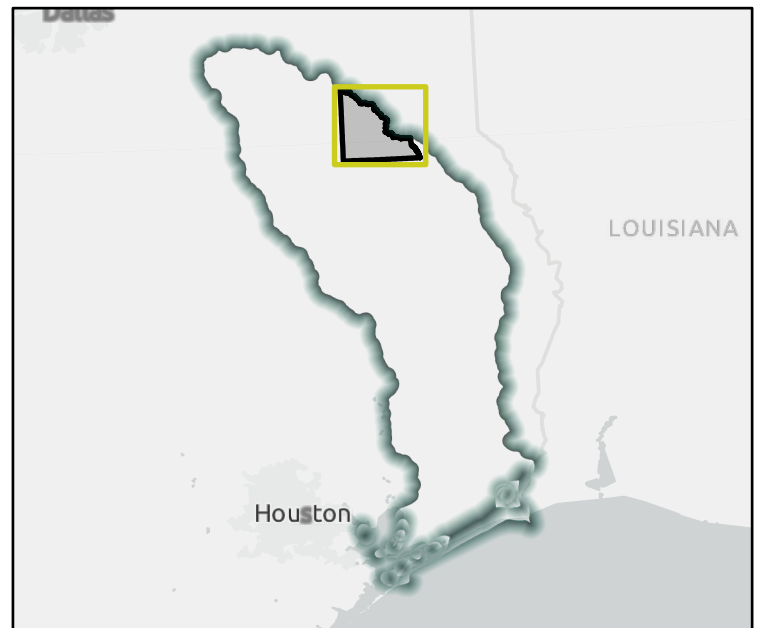Farm/Ranch land impacted (ac.) 348   Roadways impacted (miles) 20

# of low water crossings 1   # of historical road closures 1

Estimated Cost and Funding Availability

Total Cost $1,900,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Houston County Master Drainage Plan

ID# 051000029   **Sponsor** Houston (County)

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Watershed Planning   **County** Houston

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** Yes   **Drainage area (sq. mi., est.)** 418

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

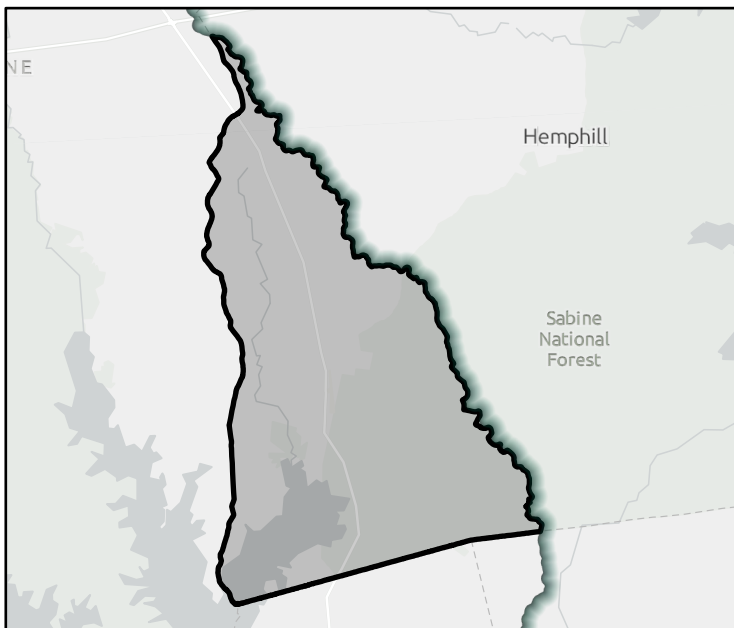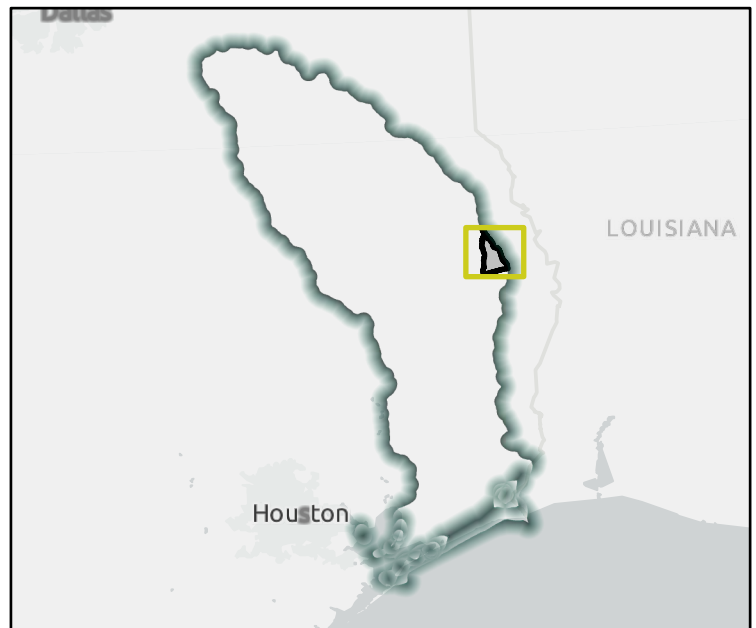**Population at risk** 16   **# of structures** 17   **# of critical facilities** 0

Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** Yes   **Other?** Yes

Farm/Ranch land impacted (ac.) 117   **Roadways impacted (miles)** 20

# of low water crossings 7   **# of historical road closures** 7

Estimated Cost and Funding Availability

Total Cost $610,983   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title Jasper County Master Drainage Plan

ID# 051000030   **Sponsor** Jasper (County)

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Watershed Planning   **County** Jasper

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** Yes   **Drainage area (sq. mi., est.)** 615

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 1,388   **# of structures** 756   **# of critical facilities** 7

Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** Yes   **Other?** Yes

Farm/Ranch land impacted (ac.) 104   **Roadways impacted (miles)** 46

# of low water crossings 3   **# of historical road closures** 3

Estimated Cost and Funding Availability

Total Cost $1,200,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Jefferson County Master Drainage Plan

ID# 051000031   Sponsor Jefferson (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Jefferson

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 954

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 26,027   # of structures 12,869   # of critical facilities 316
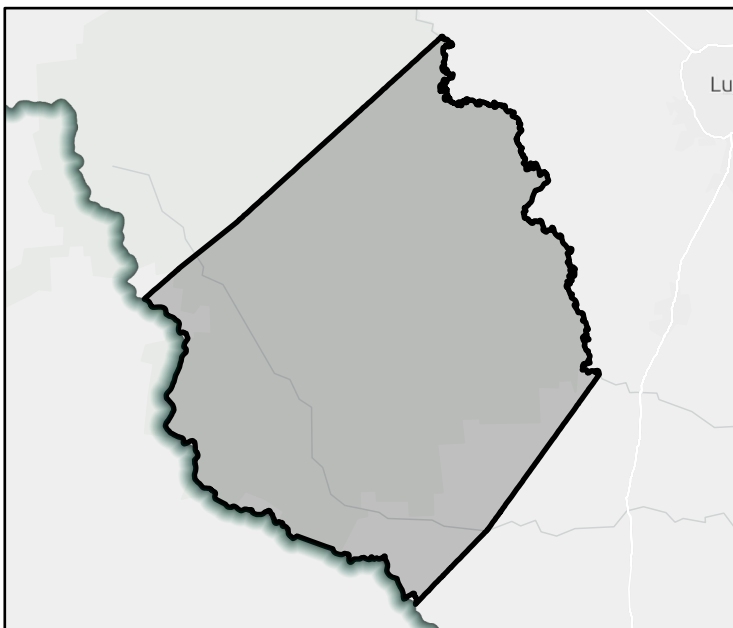
Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 33,019   Roadways impacted (miles) 474

# of low water crossings 22   # of historical road closures 22

Estimated Cost and Funding Availability

Total Cost $1,100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Liberty County Master Drainage Plan

ID# 051000032 **Sponsor** Liberty County Drainage District

Recommended by RFPG? Yes **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Watershed Planning **County** Liberty

Study description Complete a county wide drainage plan, which can be used for regulatory purposes.

FME to create new H&H model? Yes **Emergency Need?** Yes **Anticipated models in near term?** Yes **Drainage area (sq. mi., est.)** 235

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 140 **# of structures** 116 **# of critical facilities** 1
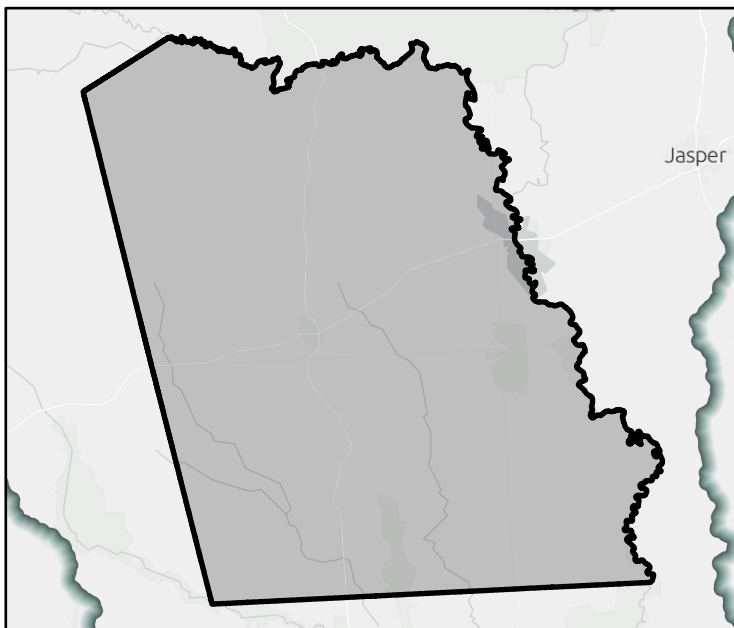
Flood risk type: Riverine? Yes **Coastal?** No **Local Flooding?** No **Other?** Yes

Farm/Ranch land impacted (ac.) 1,526 **Roadways impacted (miles)** 7

# of low water crossings 0 **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $201,313 **Potential federal funding availability?** Yes **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Nacogdoches County Master Drainage Plan

ID# 051000033   Sponsor Nacogdoches (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Nacogdoches

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 977

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 4,007   # of structures 585   # of critical facilities 1
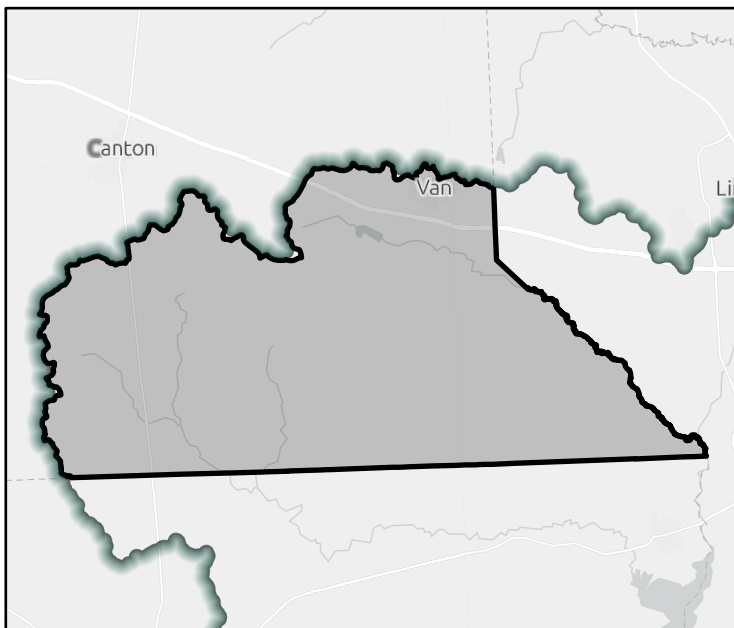
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

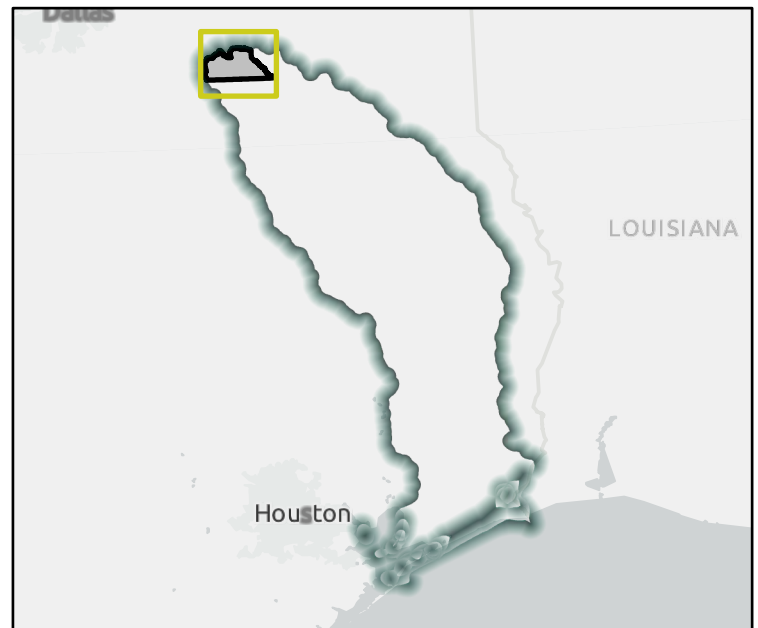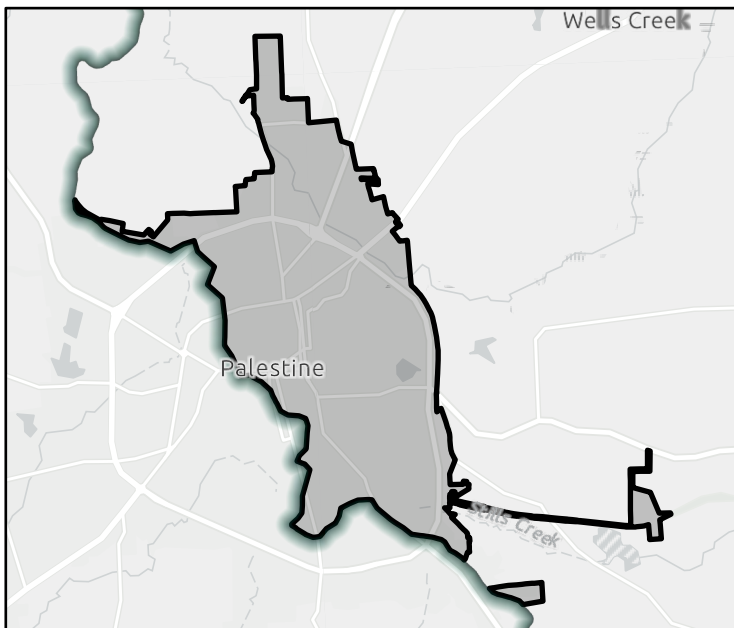Farm/Ranch land impacted (ac.) 240   Roadways impacted (miles) 38

# of low water crossings 20   # of historical road closures 20

Estimated Cost and Funding Availability

Total Cost $1,900,000   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title Orange County Master Drainage Plan

ID# 051000034   Sponsor Orange (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Orange

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 156

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 8,737   # of structures 5,007   # of critical facilities 36

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

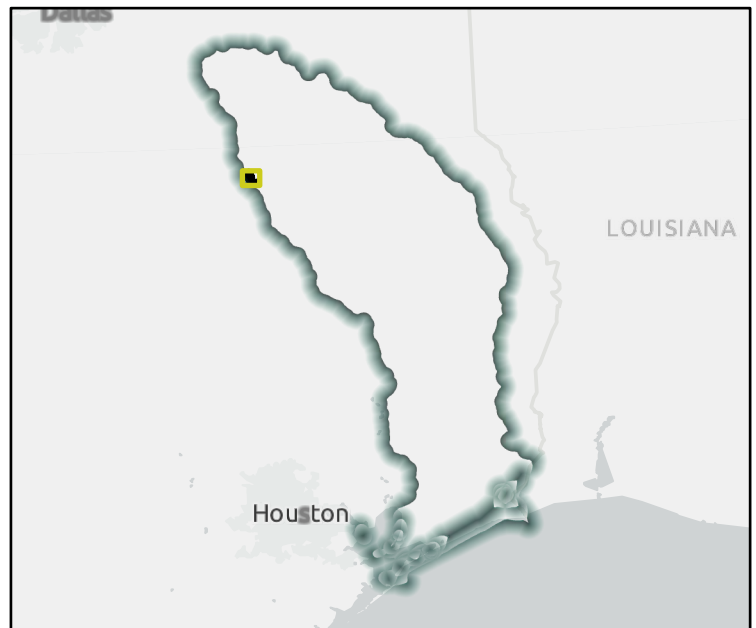Farm/Ranch land impacted (ac.) 346   Roadways impacted (miles) 136
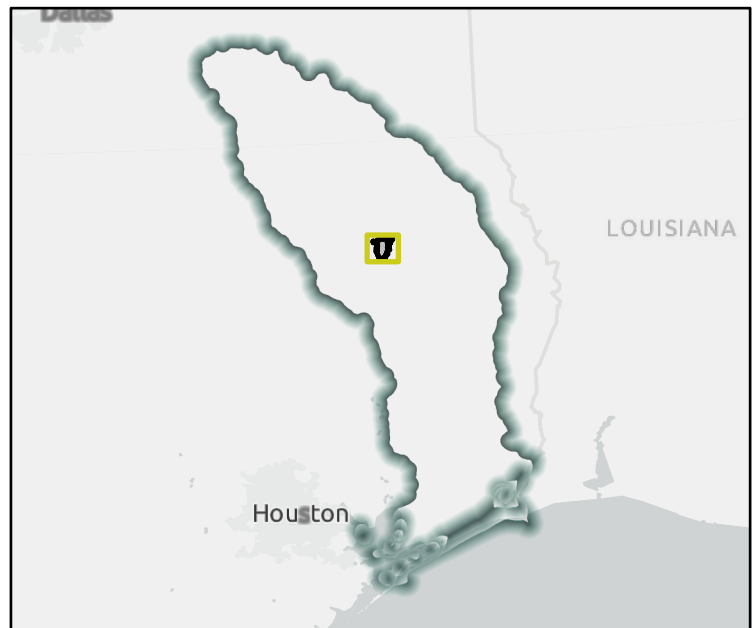
# of low water crossings 20   # of historical road closures 20

Estimated Cost and Funding Availability

Total Cost $450,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Polk County Master Drainage Plan

ID# 051000035 Sponsor Polk (County)

Recommended by RFPG? Yes Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning County Polk

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 535

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

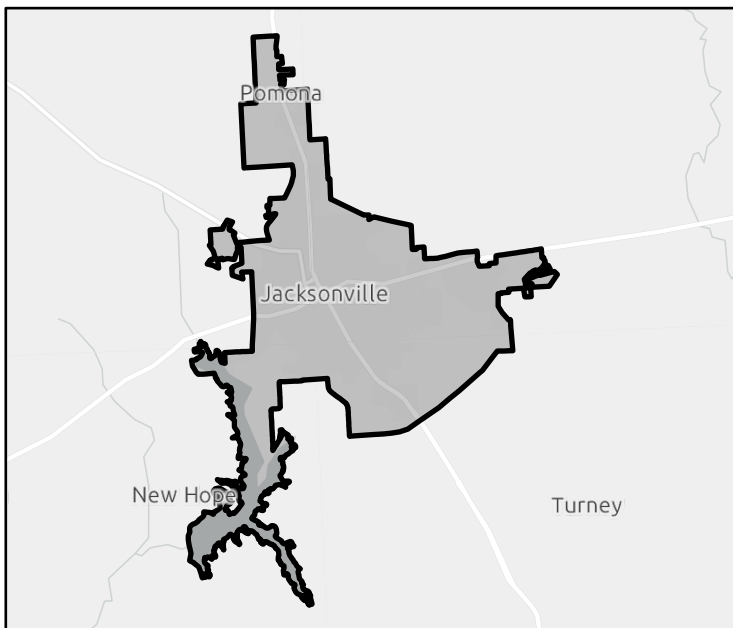Population at risk 321 # of structures 84 # of critical facilities 0

Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) 62 Roadways impacted (miles) 17

# of low water crossings 8 # of historical road closures 8

Estimated Cost and Funding Availability

Total Cost $150,021 Potential federal funding availability? Yes Potential Federal Funding Sources FIF Grant; Local Funds

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Rusk County Master Drainage Plan

ID# 051000036   Sponsor Rusk (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Rusk

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 525

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 149   # of structures 91   # of critical facilities 1

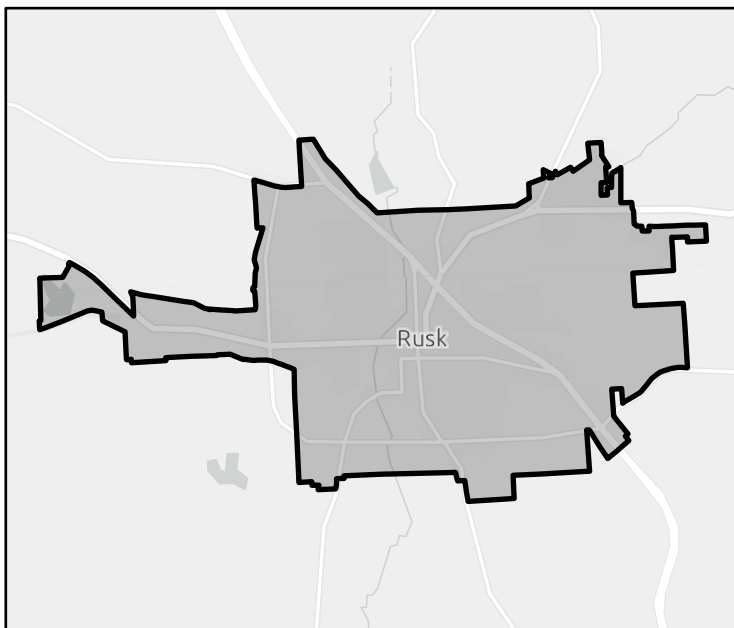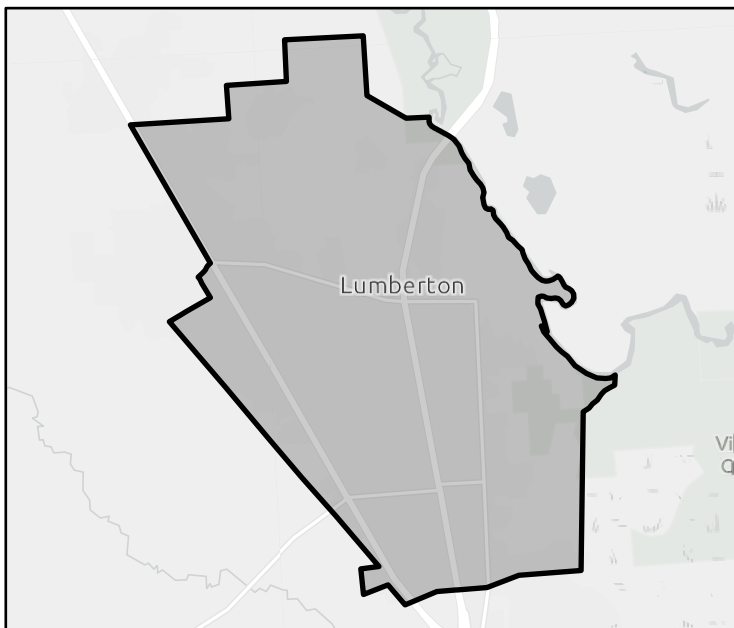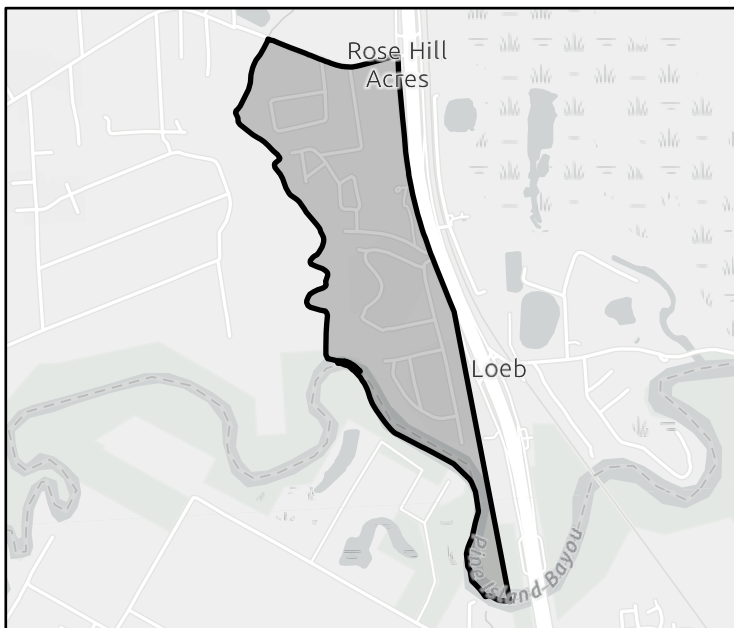Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

Farm/Ranch land impacted (ac.) 206   Roadways impacted (miles) 21

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $1,400,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title Sabine County Master Drainage Plan

ID# 051000037 **Sponsor** Sabine (County)

Recommended by RFPG? Yes **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Watershed Planning **County** Sabine

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes **Emergency Need?** Yes **Anticipated models in near term?** Yes **Drainage area (sq. mi., est.)** 95

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 16 **# of structures** 11 **# of critical facilities** 0

Flood risk type: Riverine? Yes **Coastal?** No **Local Flooding?** Yes **Other?** Yes

Farm/Ranch land impacted (ac.) 5 **Roadways impacted (miles)** 3

# of low water crossings 1 **# of historical road closures** 1

Estimated Cost and Funding Availability

Total Cost $76,348 **Potential federal funding availability?** Yes **Potential Federal Funding Sources** _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title San Augustine County Master Drainage Plan

ID# 051000038   Sponsor San Augustine (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County San Augustine

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 533

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 110   # of structures 64   # of critical facilities 0
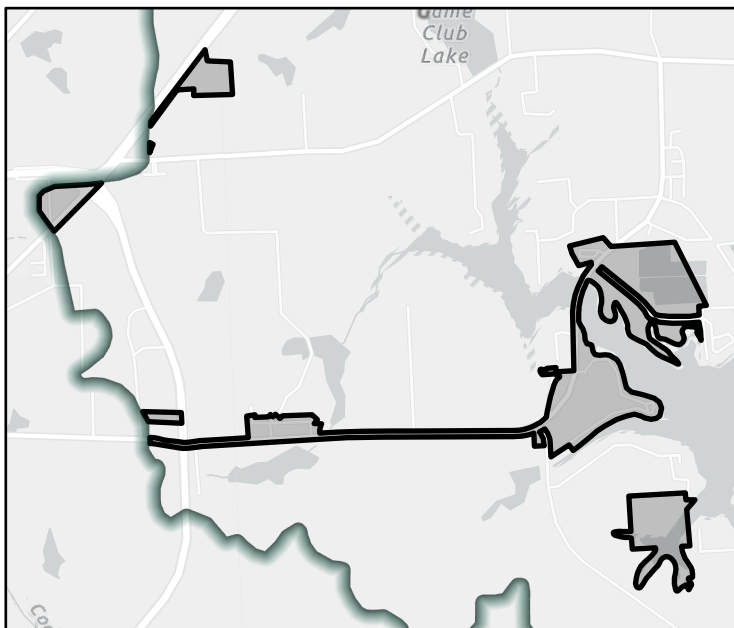
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

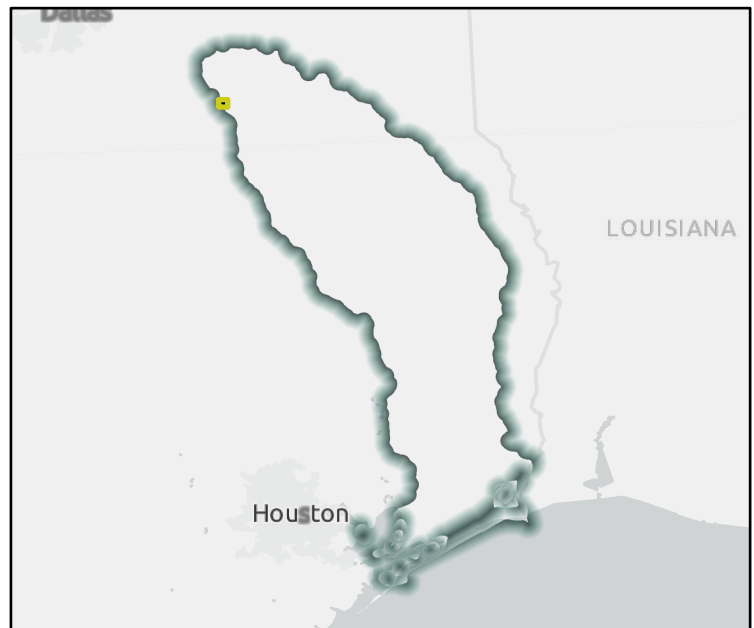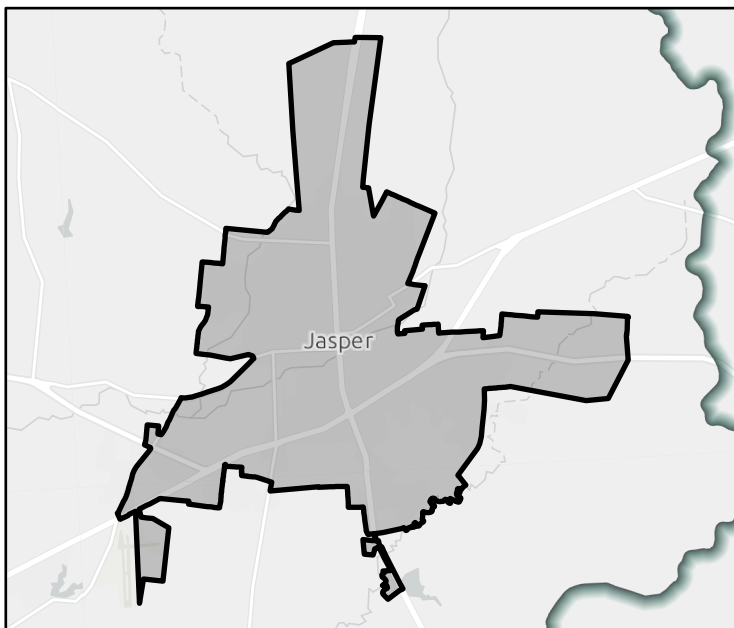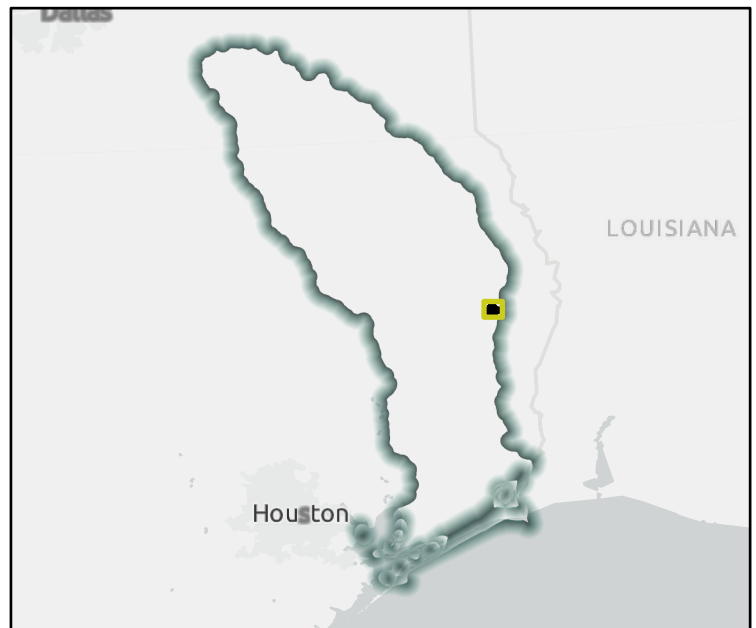Farm/Ranch land impacted (ac.) 42   Roadways impacted (miles) 13

# of low water crossings 2   # of historical road closures 2

Estimated Cost and Funding Availability

Total Cost $379,732   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Shelby County Master Drainage Plan

ID# 051000039   Sponsor Shelby (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Shelby

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 160

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 7   # of structures 15   # of critical facilities 0

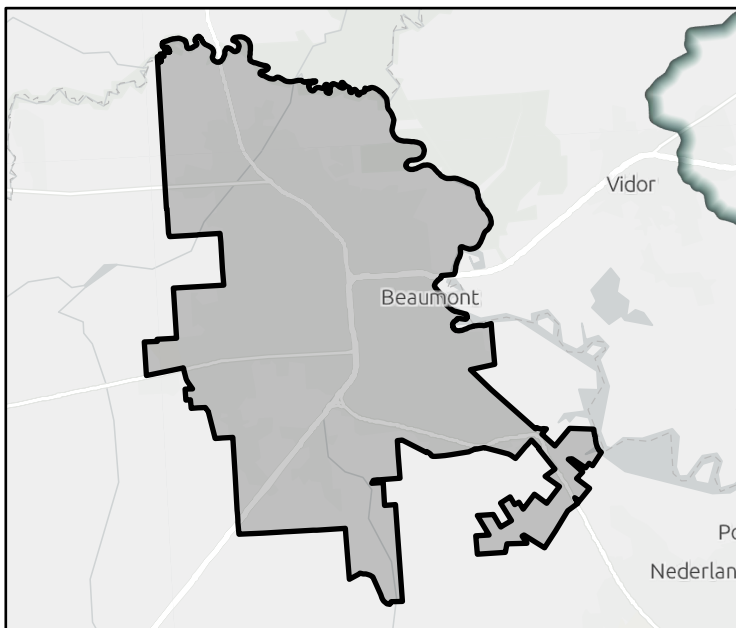Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No
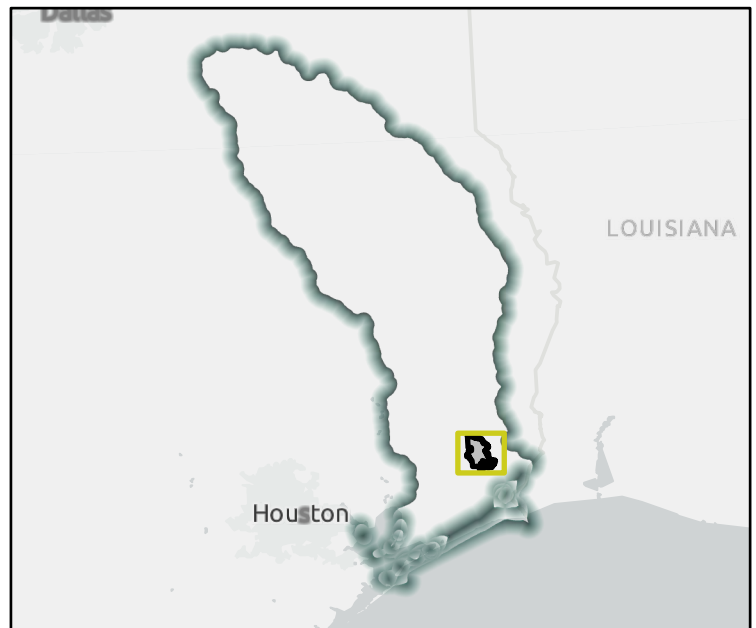
Farm/Ranch land impacted (ac.) 56   Roadways impacted (miles) 5

# of low water crossings 4   # of historical road closures 4

Estimated Cost and Funding Availability

Total Cost $1,250,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Smith County Master Drainage Plan

ID# 051000040   Sponsor Smith (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Smith

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 510

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 6,216   # of structures 2,347   # of critical facilities 72

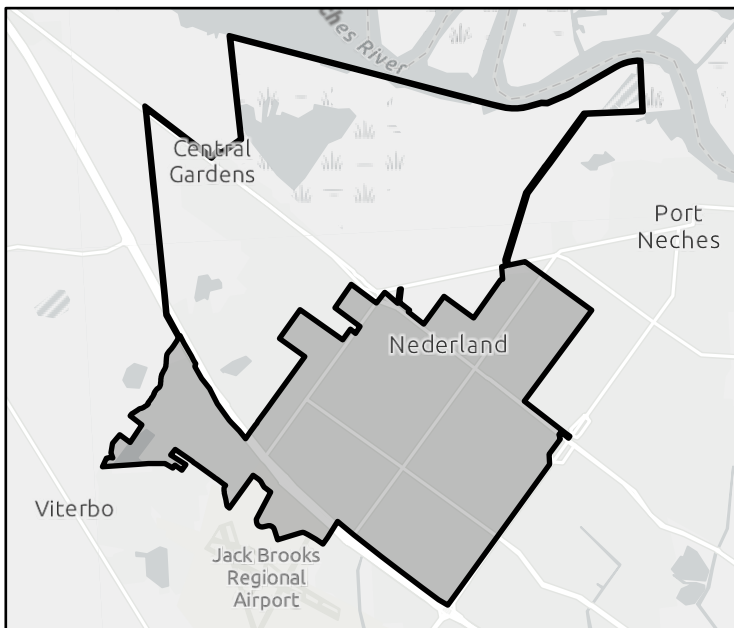Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? Yes

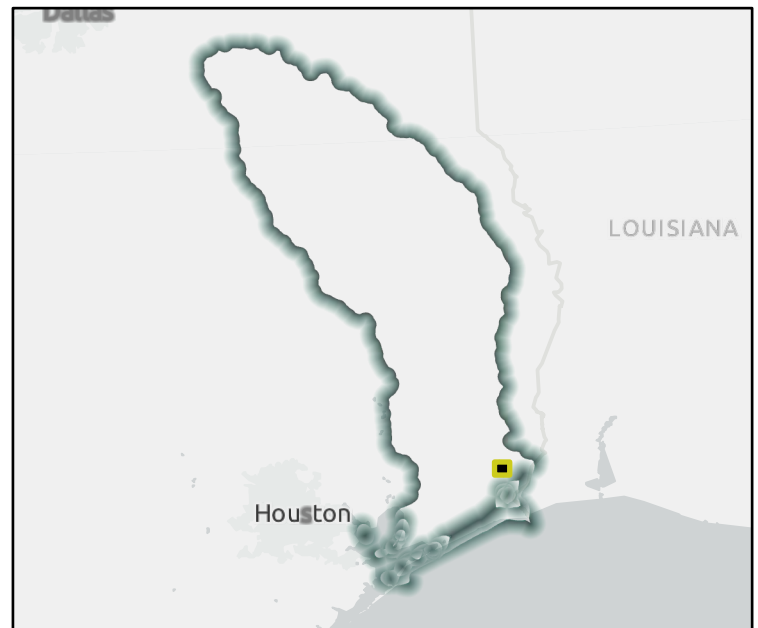Farm/Ranch land impacted (ac.) 216   Roadways impacted (miles) 50

# of low water crossings 42   # of historical road closures 42

Estimated Cost and Funding Availability

Total Cost $538,612   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Trinity County Master Drainage Plan

ID# 051000041   Sponsor Trinity (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Trinity

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 342

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 15   # of structures 32   # of critical facilities 0
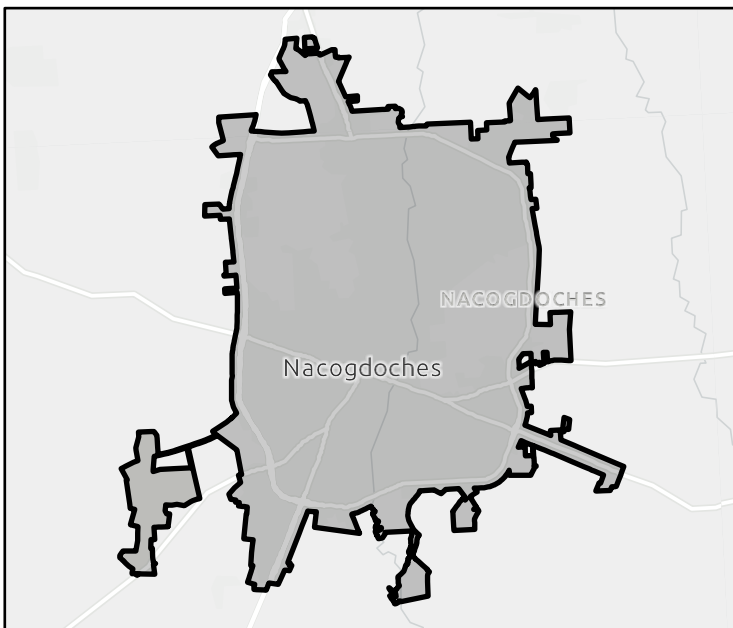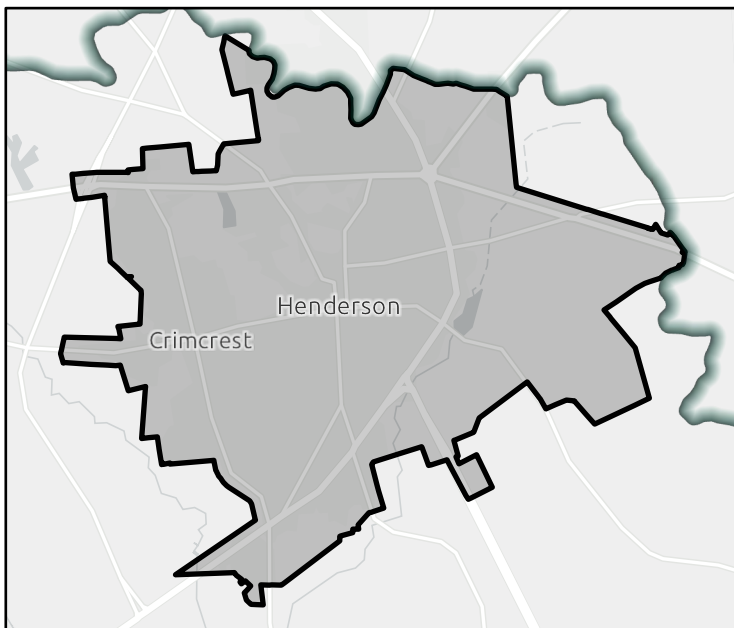
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

Farm/Ranch land impacted (ac.) 68   Roadways impacted (miles) 22

# of low water crossings 1   # of historical road closures 1

Estimated Cost and Funding Availability

Total Cost $481,324   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title   Tyler County Master Drainage Plan

ID#   051000042   Sponsor   Tyler (County)

Recommended by RFPG?   Yes   Reason for Recommendation   Complies with RFPG Goals

Study Details

Study type   Watershed Planning   County   Tyler

Study description   Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model?   Yes   Emergency Need?   Yes   Anticipated models in near term?   Yes   Drainage area (sq. mi., est.)   932

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk   278   # of structures   545   # of critical facilities   0

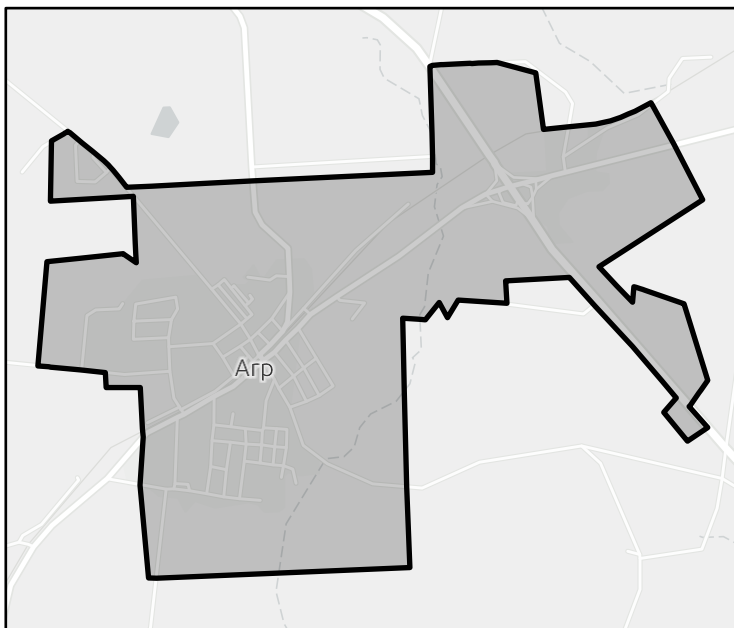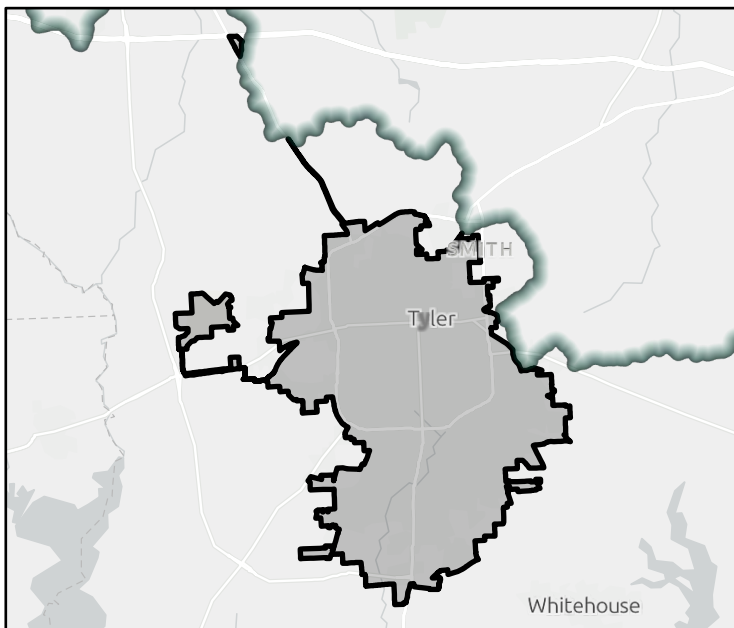Flood risk type: Riverine?   Yes   Coastal?   No   Local Flooding?   No   Other?   Yes
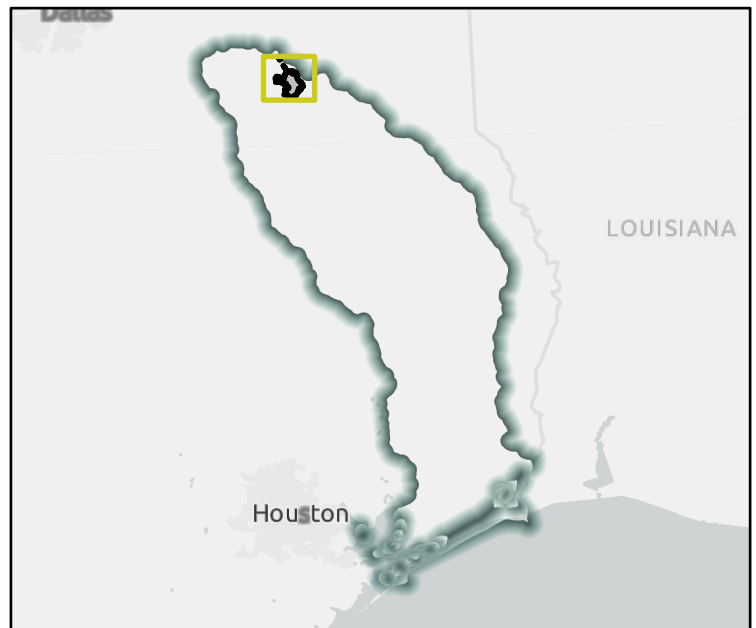
Farm/Ranch land impacted (ac.)   82   Roadways impacted (miles)   42

# of low water crossings   8   # of historical road closures   8

Estimated Cost and Funding Availability

Total Cost $700,000   Potential federal funding availability?   Yes   Potential Federal Funding Sources   -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title Van Zandt County Master Drainage Plan

ID# 051000043   Sponsor Van Zandt (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Van Zandt

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 244

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 202   # of structures 217   # of critical facilities 0
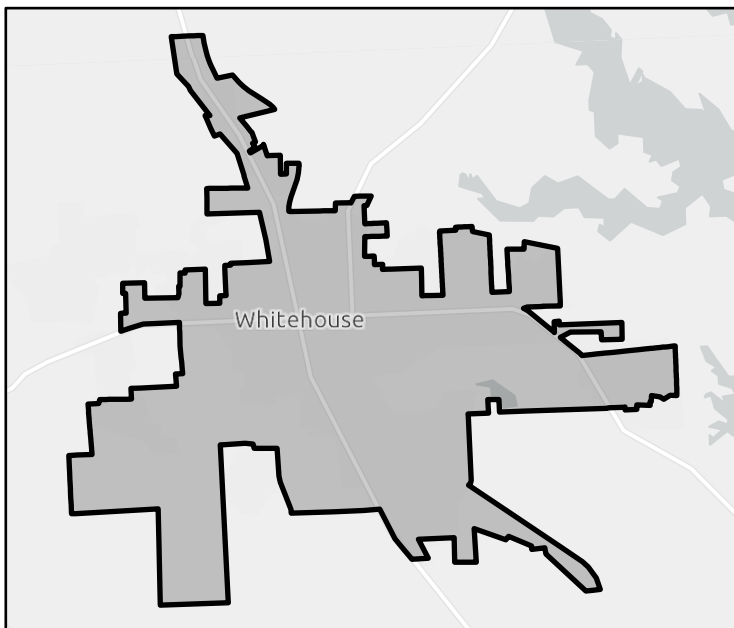
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? Yes

Farm/Ranch land impacted (ac.) 232   Roadways impacted (miles) 13

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $484,386   Potential federal funding availability? Yes   Potential Federal Funding Sources FIF Grants; Local Funds

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Palestine Master Drainage Plan

ID# 051000044   Sponsor Palestine (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Anderson

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 7

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 31   # of structures 14   # of critical facilities 0
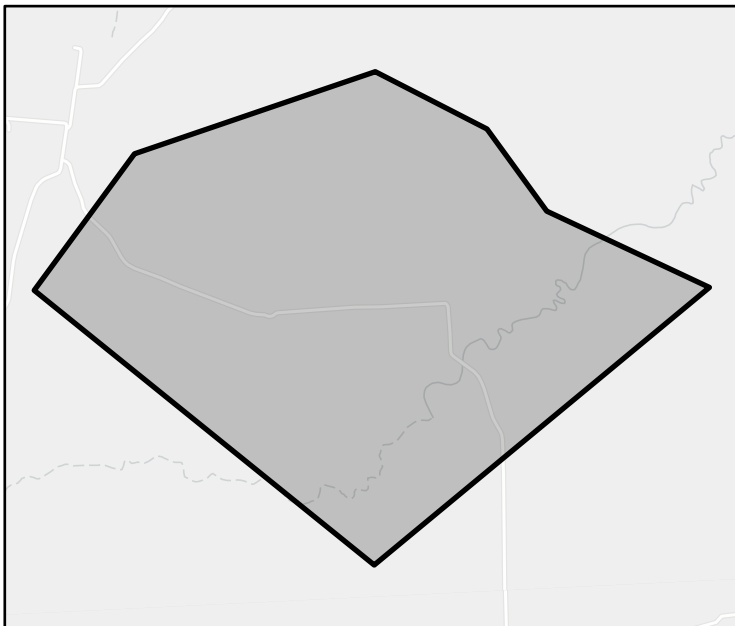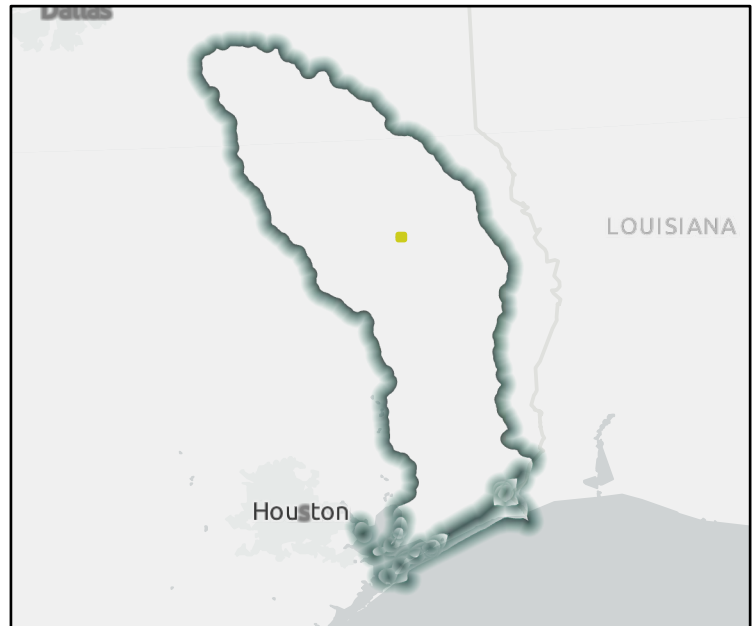
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

Farm/Ranch land impacted (ac.) 2   Roadways impacted (miles) 2

# of low water crossings 2   # of historical road closures 2

Estimated Cost and Funding Availability

Total Cost $700,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Lufkin Master Drainage Plan

ID# 051000045   Sponsor Lufkin (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type   Watershed Planning   County Angelina

Study description   Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 35

Goal(s)   Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 6,004   # of structures 868   # of critical facilities 5
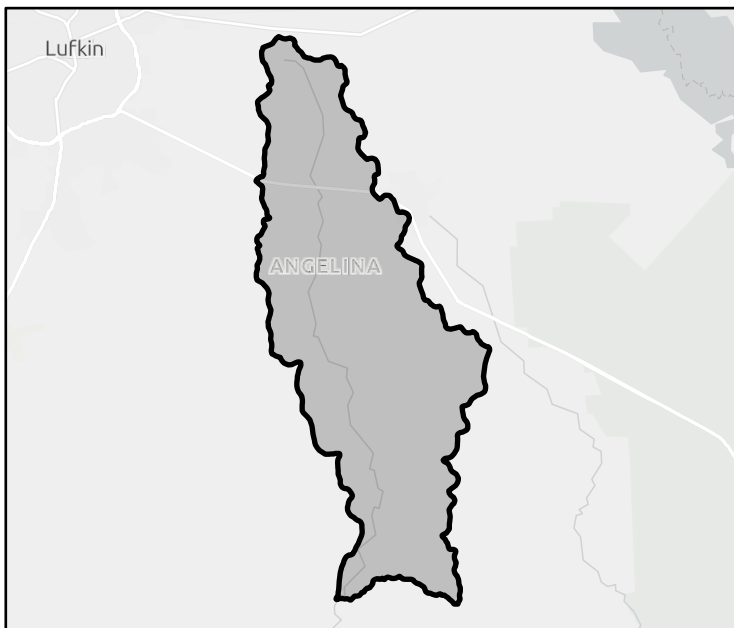
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? Yes

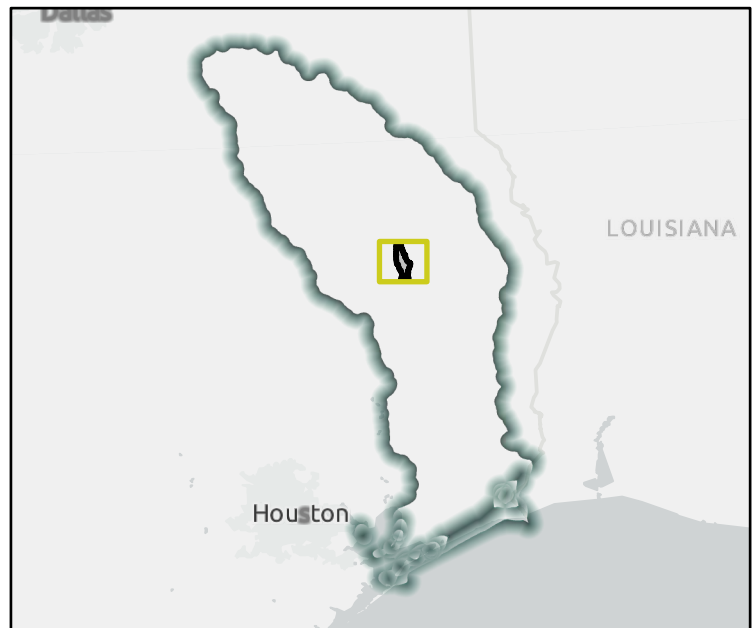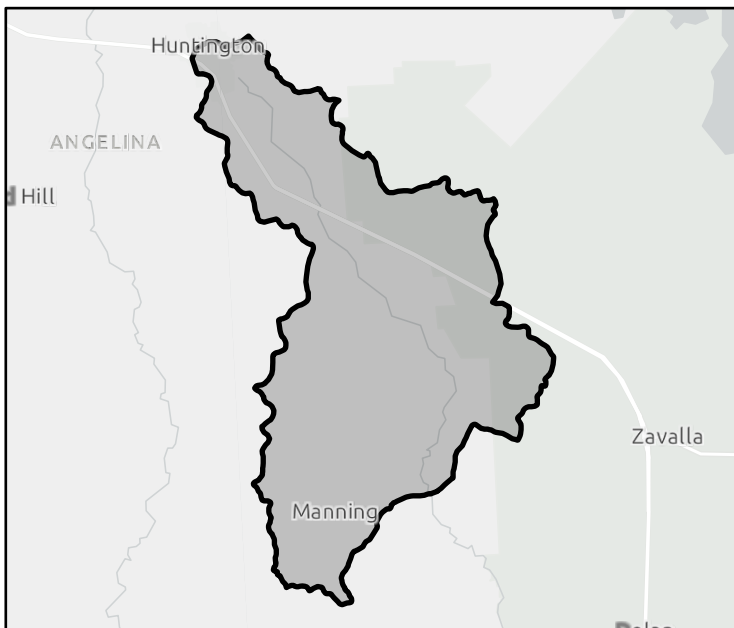Farm/Ranch land impacted (ac.) 3   Roadways impacted (miles) 23

# of low water crossings 12   # of historical road closures 12

Estimated Cost and Funding Availability

Total Cost $1,000,000   Potential federal funding availability? Yes   Potential Federal Funding Sources: HMGP, PDM, FMA, budget

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Jacksonville Master Drainage Plan

ID# 051000046   Sponsor Jacksonville (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Cherokee

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 17

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 430   # of structures 367   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

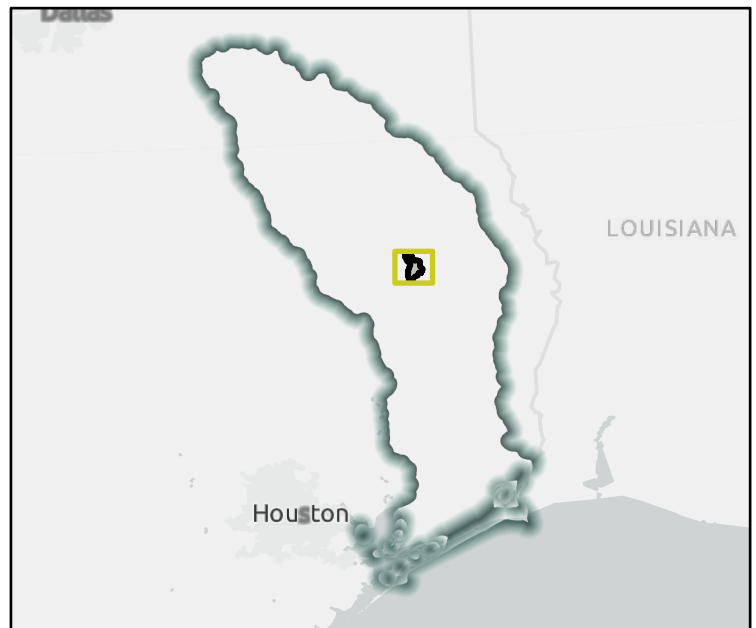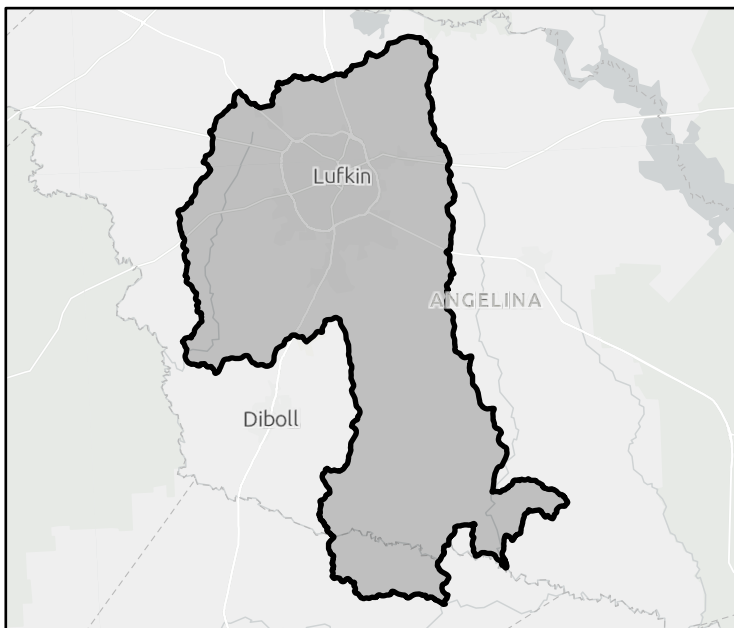Farm/Ranch land impacted (ac.) 5   Roadways impacted (miles) 4
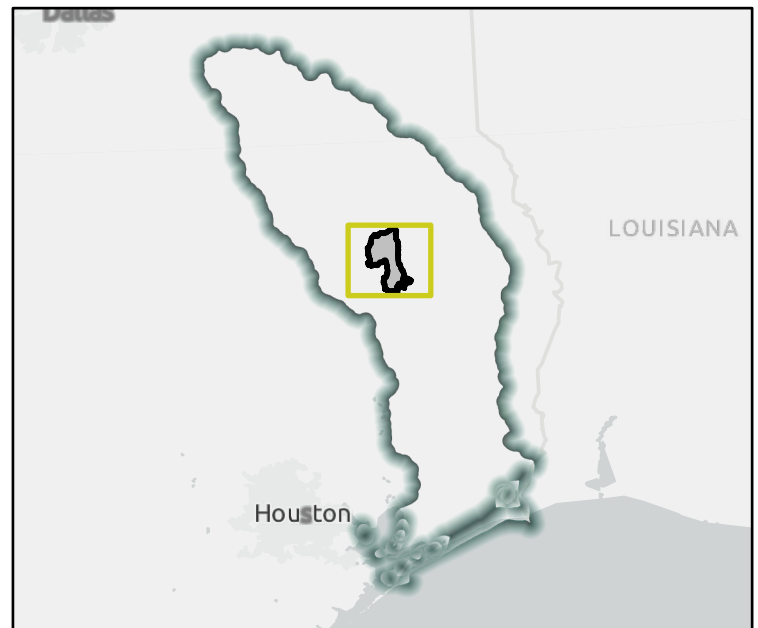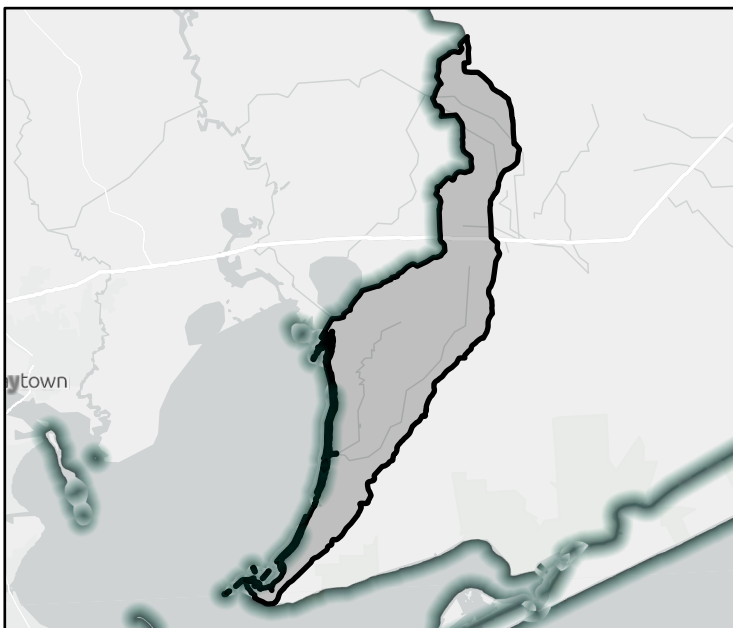
# of low water crossings 7   # of historical road closures 7

Estimated Cost and Funding Availability

Total Cost $560,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Rusk Master Drainage Plan

ID# 051000047   Sponsor Rusk (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning   County Cherokee

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? No   Anticipated models in near term? No   Drainage area (sq. mi., est.) 7

Goal(s):
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 455   # of structures 41   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

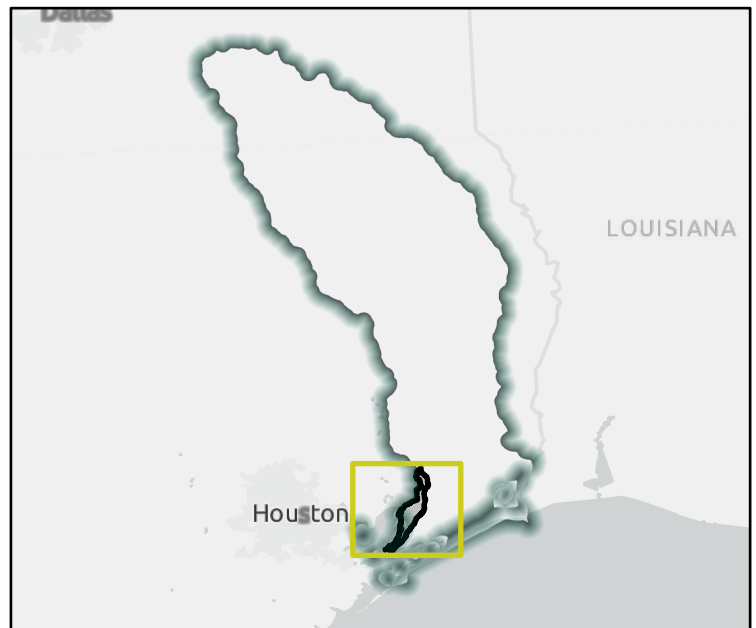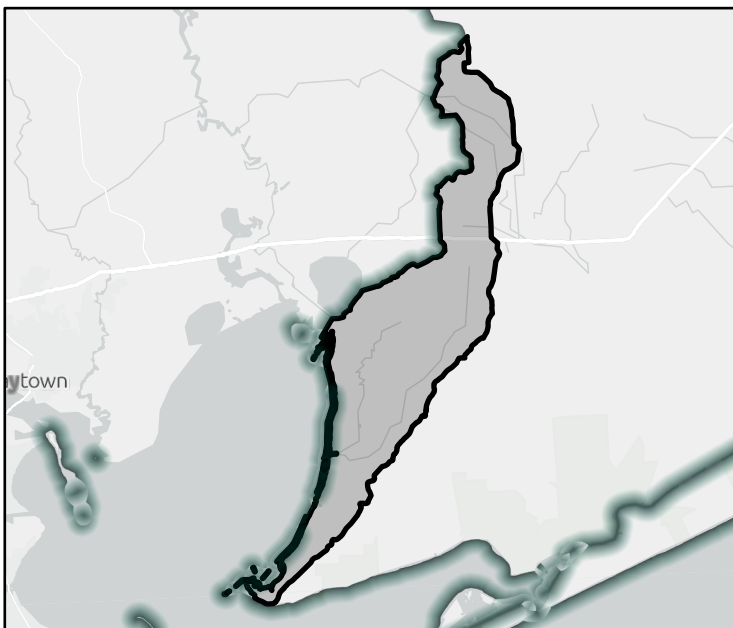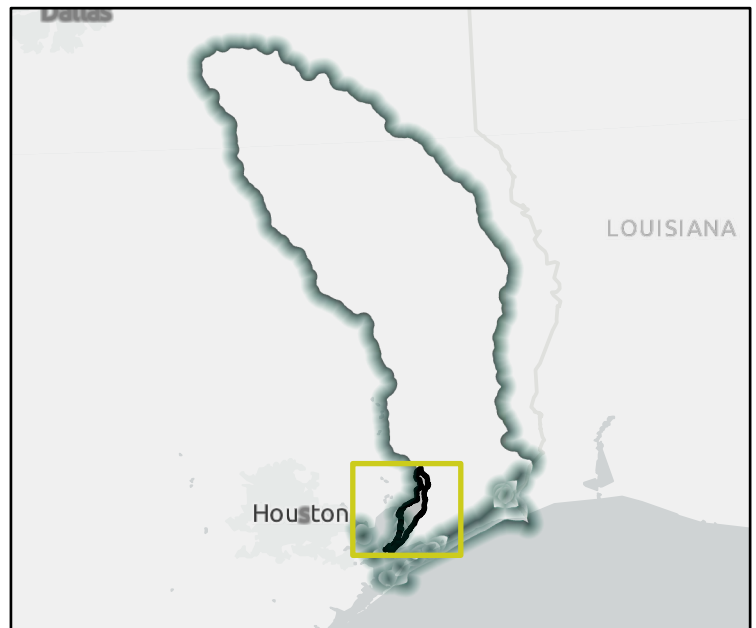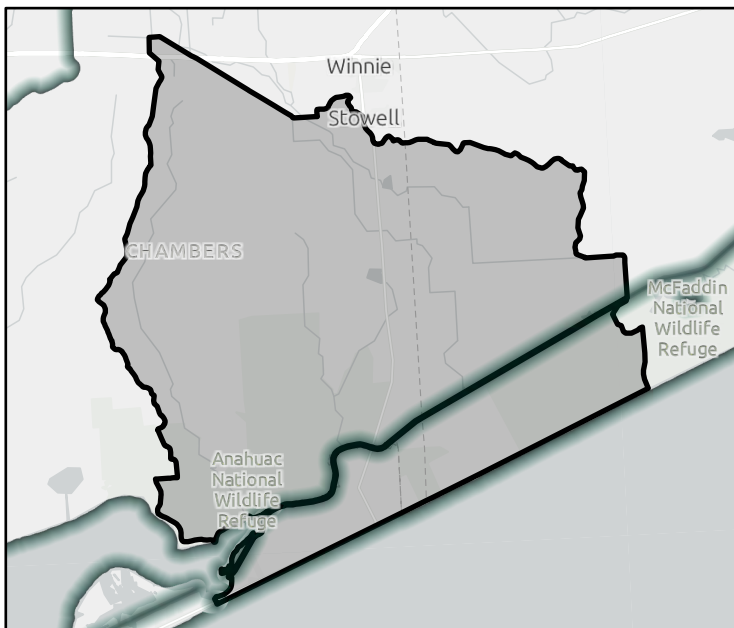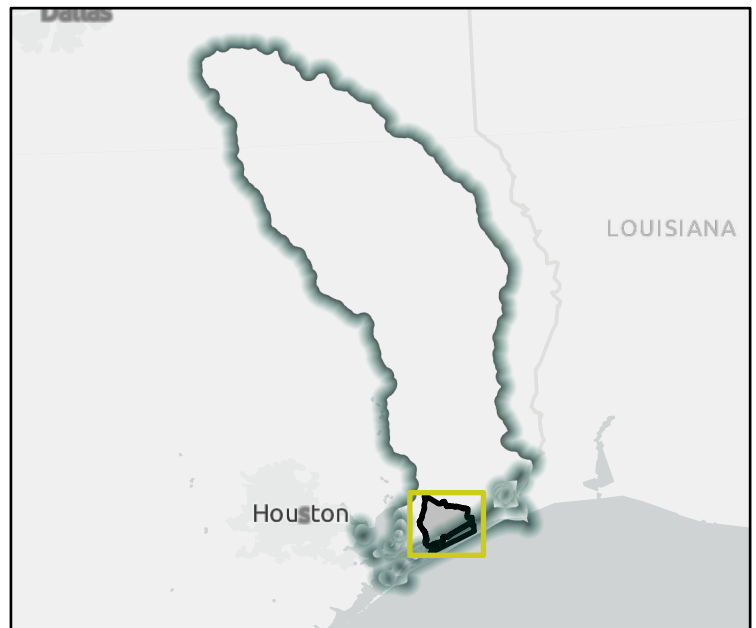Farm/Ranch land impacted (ac.) 2   Roadways impacted (miles) 2

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $280,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title: City of Lumberton Master Drainage Plan

ID# 051000048   Sponsor: Lumberton (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Watershed Planning   County: Hardin

Study description: Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 11

Goal(s):
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk: 622   # of structures: 230   # of critical facilities: 0

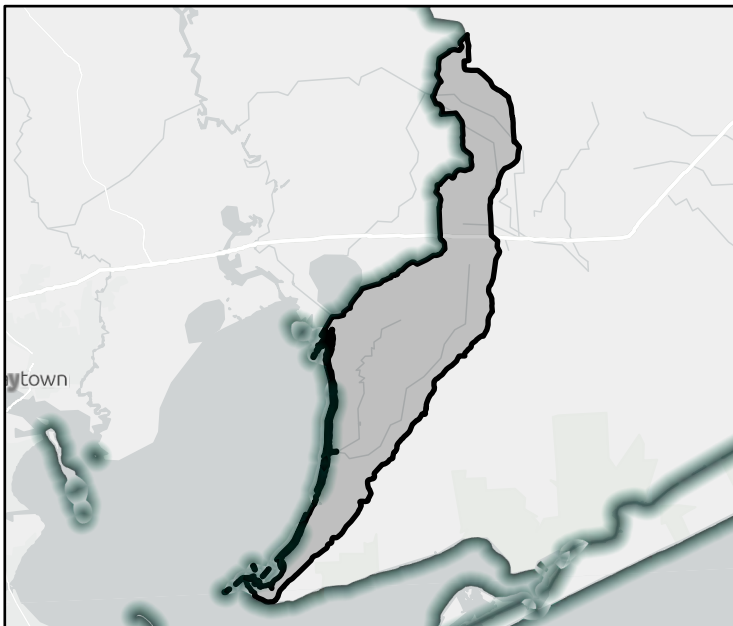Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.): 6   Roadways impacted (miles): 4
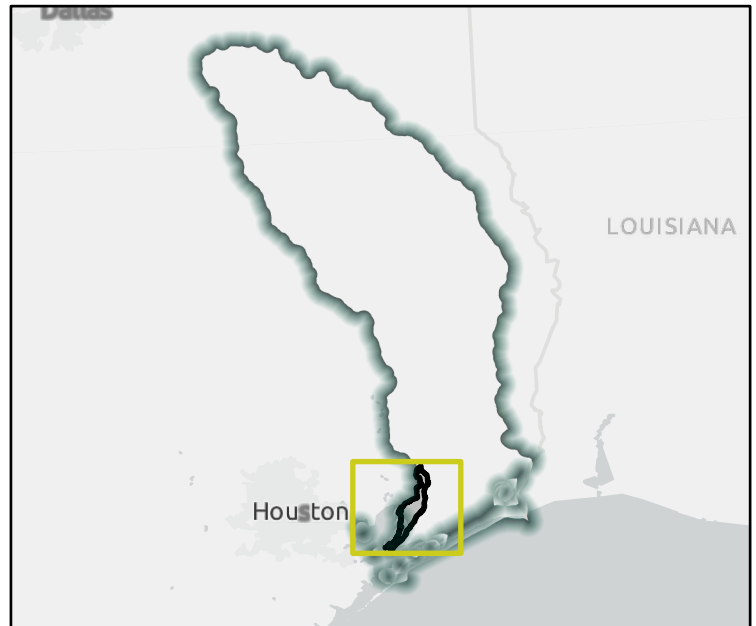
# of low water crossings: 1   # of historical road closures: 1

Estimated Cost and Funding Availability

Total Cost: $380,000   Potential federal funding availability? Yes   Potential Federal Funding Sources: -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Rose Hill Acres Master Drainage Plan

ID# 051000049   Sponsor Rose Hill Acres (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Hardin

Study description Develop drainage study to identify flood mitigation measures and drainage improvements including purchase of easements in the ETJ or a possible MOU to implement improvements.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 0

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 234   # of structures 129   # of critical facilities 0
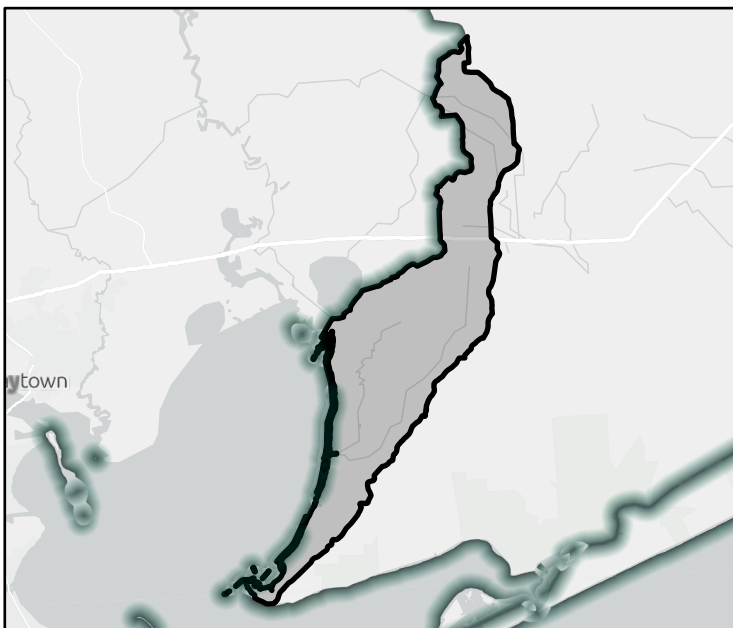
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 2
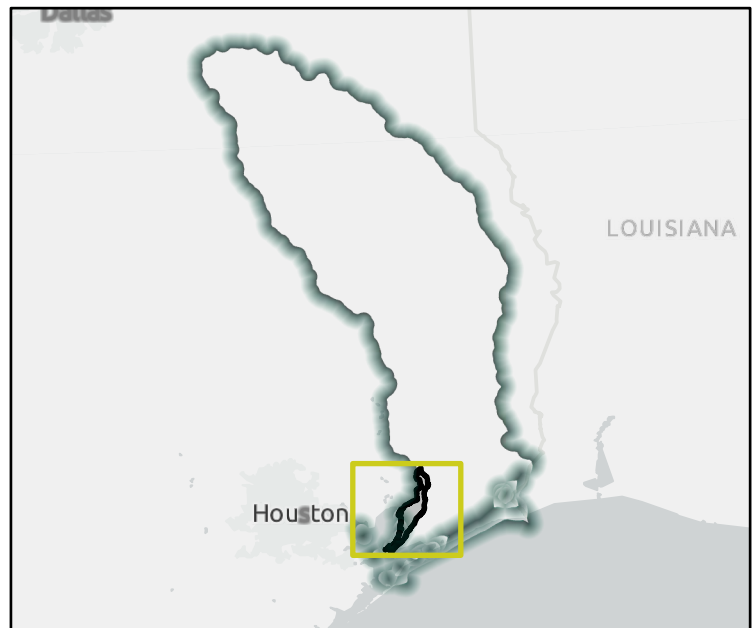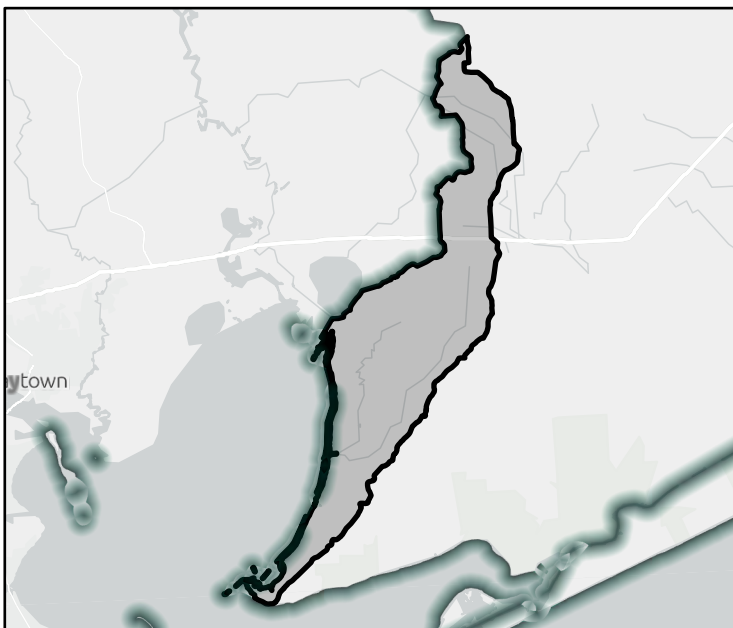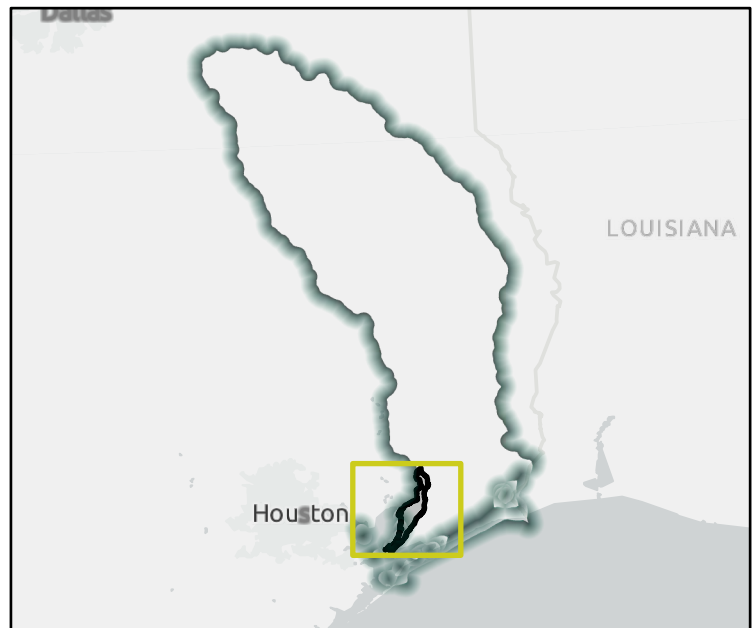
# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $200,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title   City of Silsbee Master Drainage Plan

ID# 051000050   Sponsor Silsbee (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type   Watershed Planning   County Hardin

Study description   Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 8

Goal(s)   Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk   616   # of structures 88   # of critical facilities 2

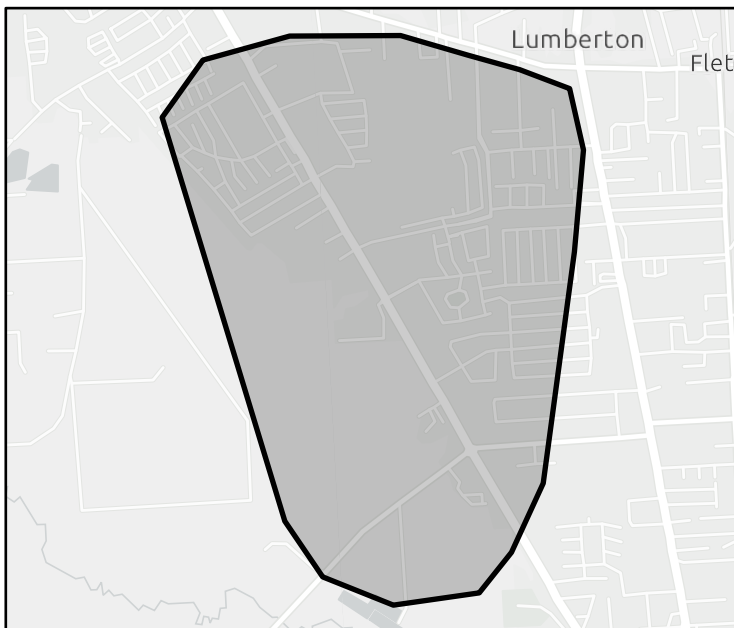Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.)   1   Roadways impacted (miles)   2

# of low water crossings   3   # of historical road closures   3

Estimated Cost and Funding Availability

Total Cost $320,000   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Athens Master Drainage Plan

ID# 051000051   Sponsor Athens (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Henderson

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? No   Anticipated models in near term? No   Drainage area (sq. mi., est.) 1

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

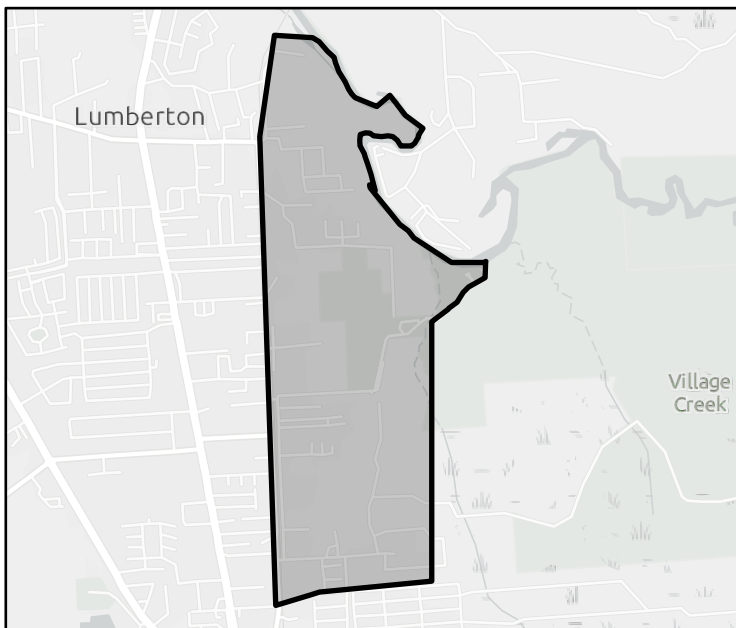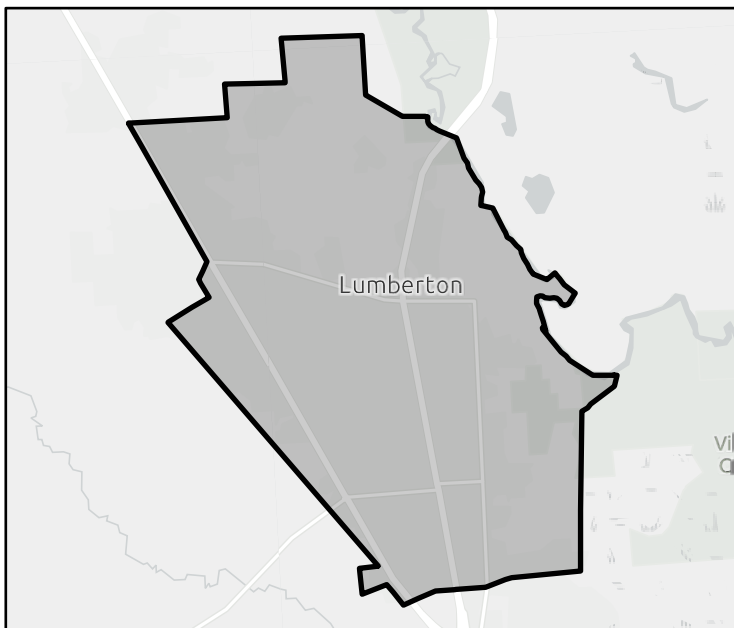Population at risk 0   # of structures 0   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $31,056   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Jasper Master Drainage Plan

ID# 051000052   Sponsor Jasper (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type   Watershed Planning   County Jasper

Study description   Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 11

Goal(s)   Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 1,093   # of structures 171   # of critical facilities 7
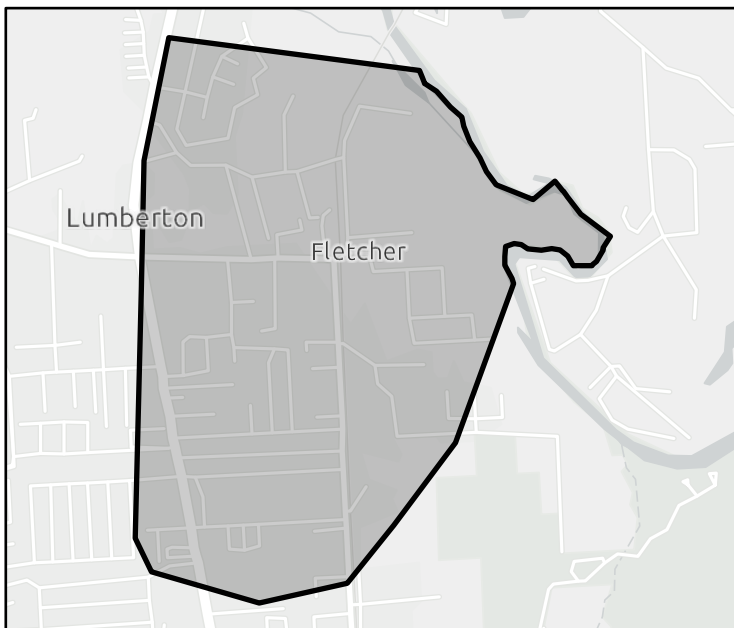
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

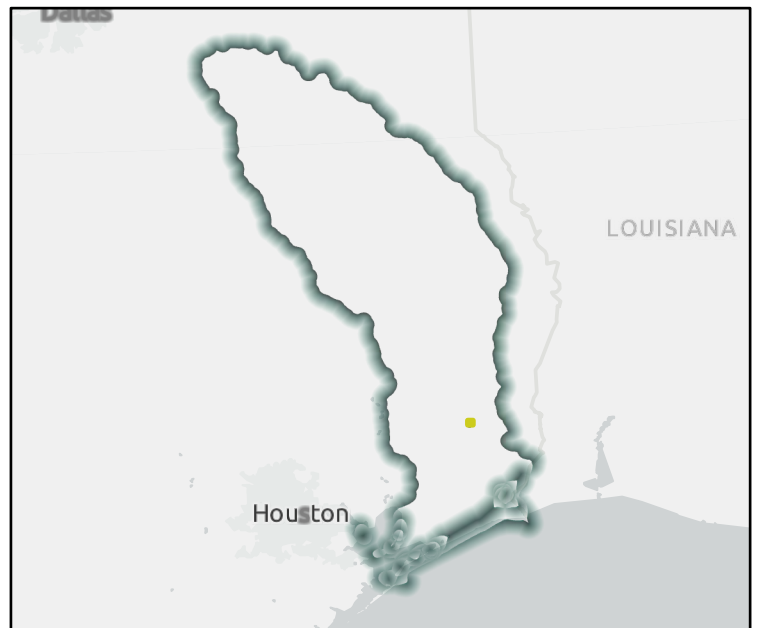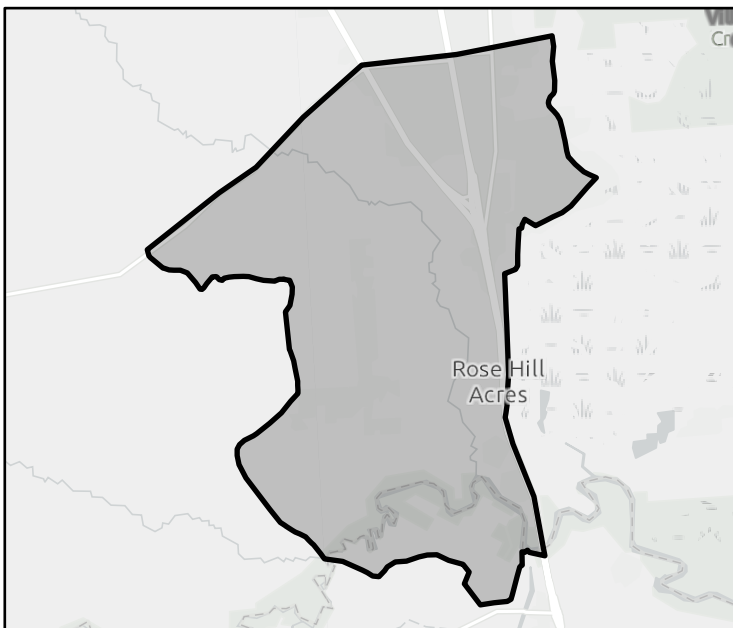Farm/Ranch land impacted (ac.) 2   Roadways impacted (miles) 6

# of low water crossings 2   # of historical road closures 2

Estimated Cost and Funding Availability

Total Cost $440,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Beaumont Master Drainage Plan

ID# 051000053   Sponsor Beaumont (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning

County Jefferson

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 85

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 7,759   # of structures 2,546   # of critical facilities 16

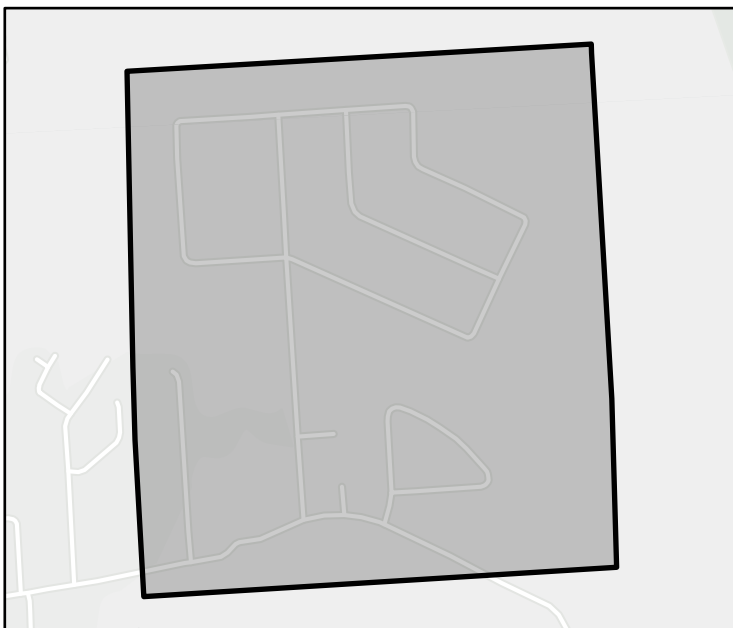Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 120   Roadways impacted (miles) 55

# of low water crossings 4   # of historical road closures 4

Estimated Cost and Funding Availability

Total Cost $600,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Nederland Master Drainage Plan

ID# 051000054   Sponsor Nederland (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Jefferson

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 6

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 804   # of structures 381   # of critical facilities 3
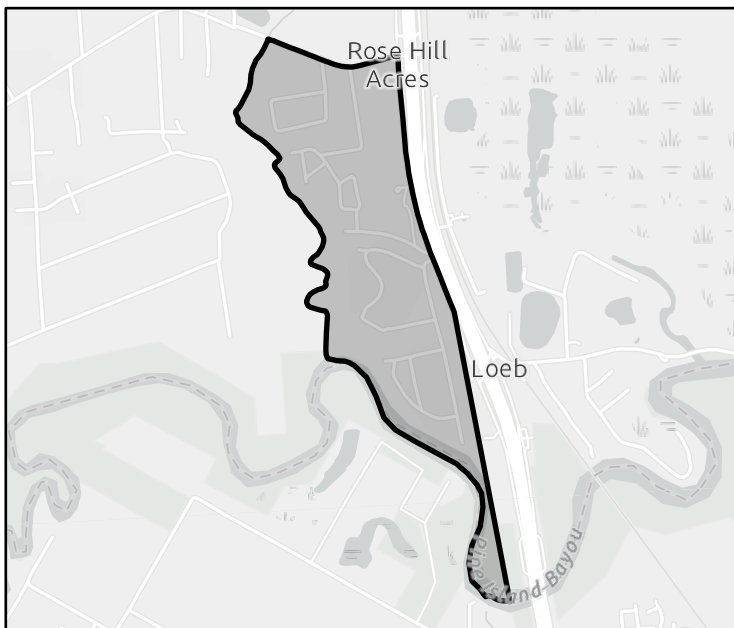
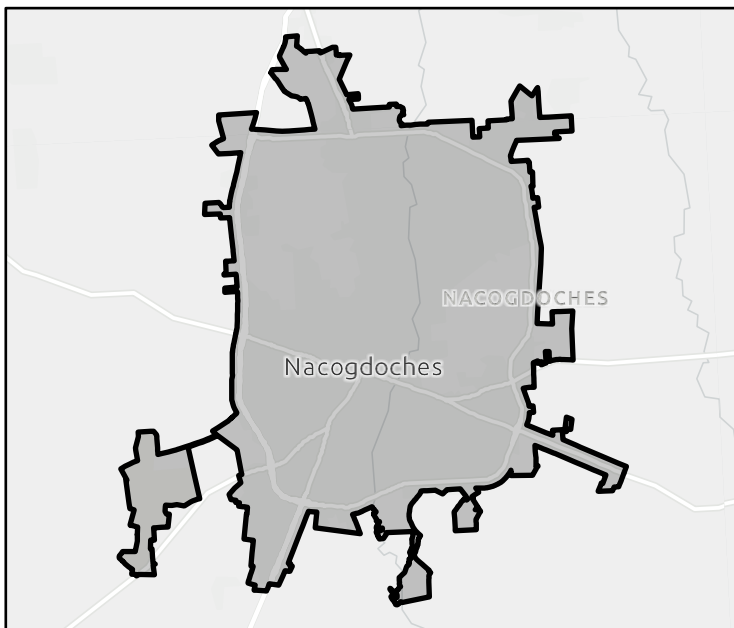Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 1   Roadways impacted (miles) 3

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $240,000   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title   City of Nacogdoches Update Flood Control Study

ID# 051000055   Sponsor Nacogdoches (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type   Watershed Planning   County Nacogdoches

Study description   Conduct Flood Control Study and implement actions such as channelization, detention, retention, etc to stop repetitive flood losses.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 28

Goal(s)   Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 3,965   # of structures 446   # of critical facilities 1
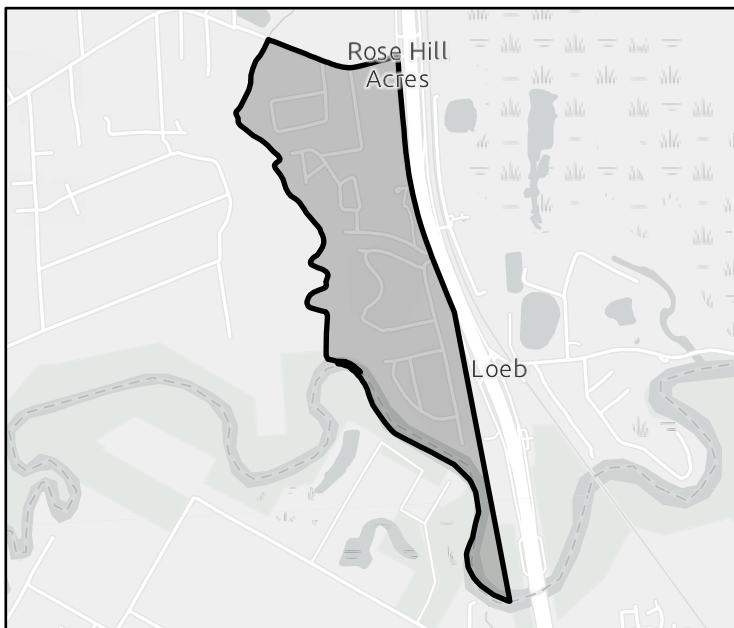
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

Farm/Ranch land impacted (ac.) 4   Roadways impacted (miles) 14

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $1,080,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES
REGIONAL FLOOD PLANNING GROUP

Title   City of Henderson Master Drainage Plan

ID#   051000056   Sponsor   Henderson (Municipality)

Recommended by RFPG?   Yes   Reason for Recommendation   Complies with RFPG Goals

Study Details

Study type   Watershed Planning   County   Rusk

Study description   Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model?   Yes   Emergency Need?   No   Anticipated models in near term?   No   Drainage area (sq. mi., est.)   10

Goal(s)   Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk   73   # of structures   37   # of critical facilities   0
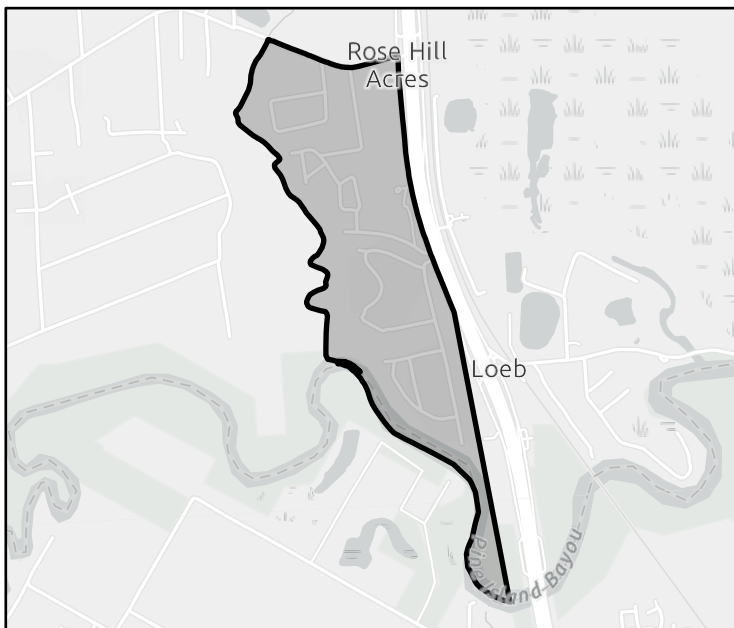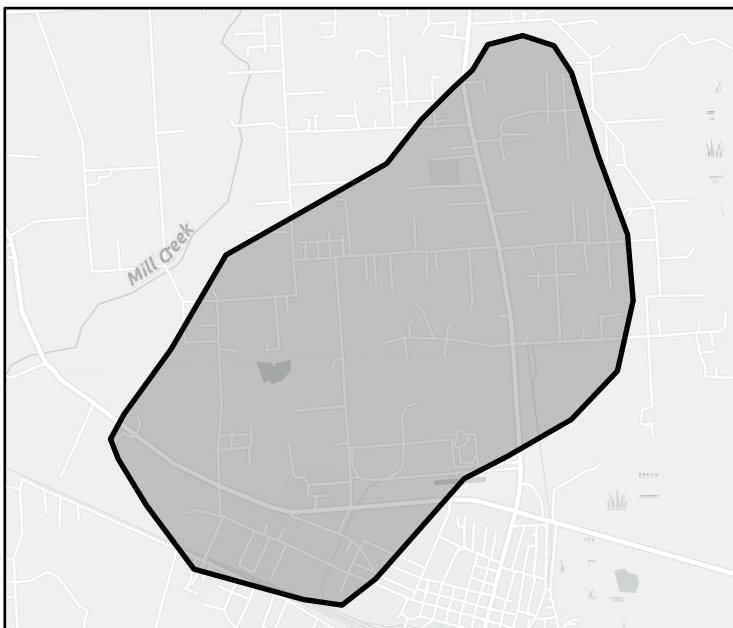
Flood risk type: Riverine?   Yes   Coastal?   No   Local Flooding?   Yes   Other?   No

Farm/Ranch land impacted (ac.)   5   Roadways impacted (miles)   2

# of low water crossings   0   # of historical road closures   0

Estimated Cost and Funding Availability

Total Cost $480,000   Potential federal funding availability?   Yes   Potential Federal Funding Sources   -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Arp Master Drainage Plan

ID# 051000057   Sponsor Arp (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Smith

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? No   Anticipated models in near term? No   Drainage area (sq. mi., est.) 3

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

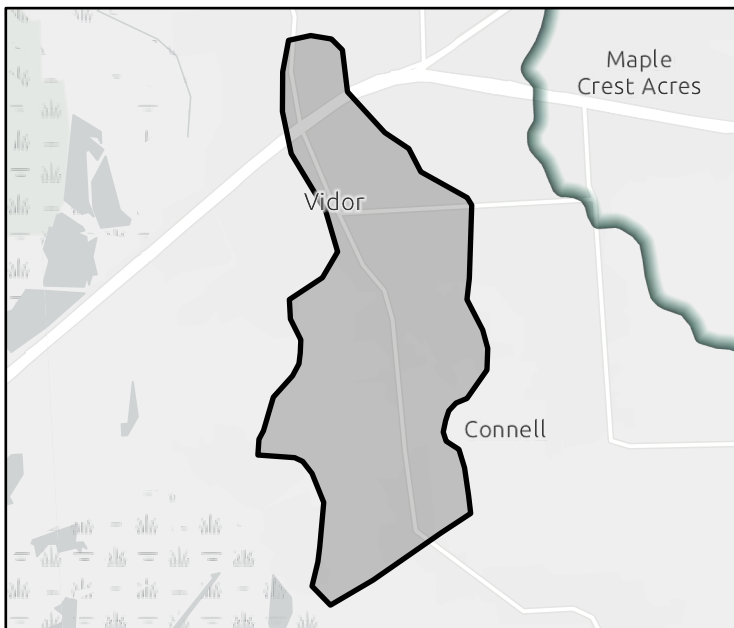Population at risk 0   # of structures 0   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

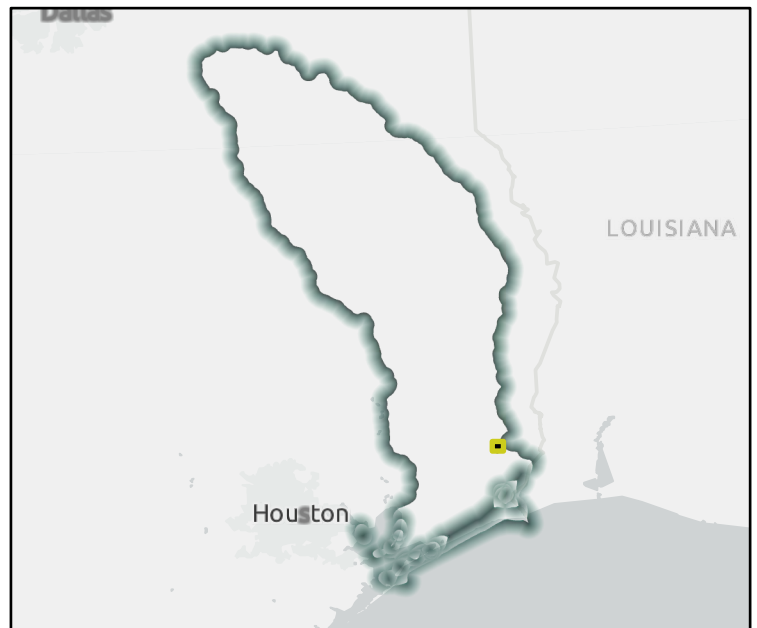Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $1,300,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Tyler Master Drainage Plan

ID# 051000058   Sponsor Tyler (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning   County Smith

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 56

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

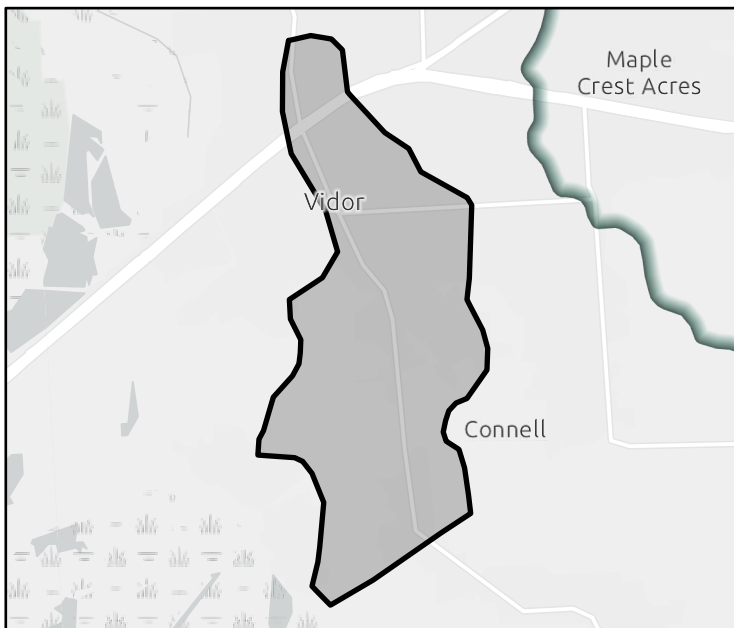Population at risk 5,666   # of structures 1,042   # of critical facilities 72

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No
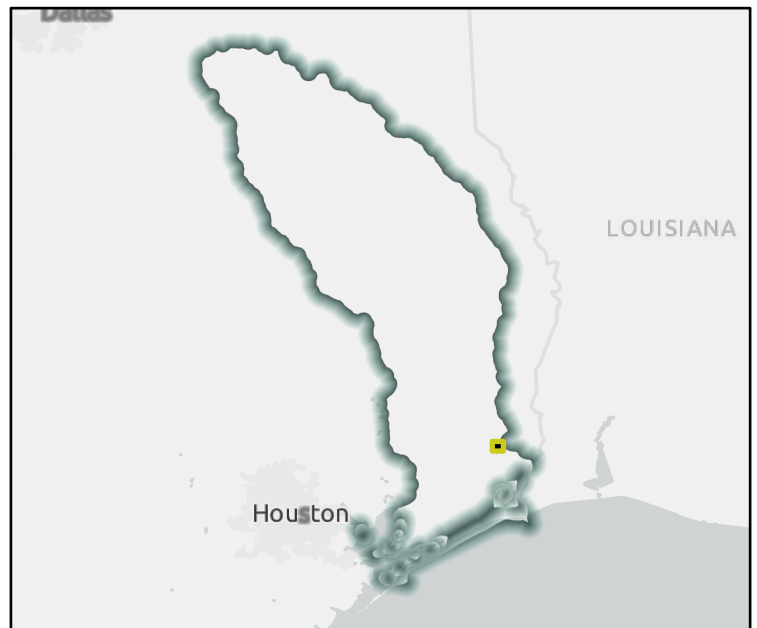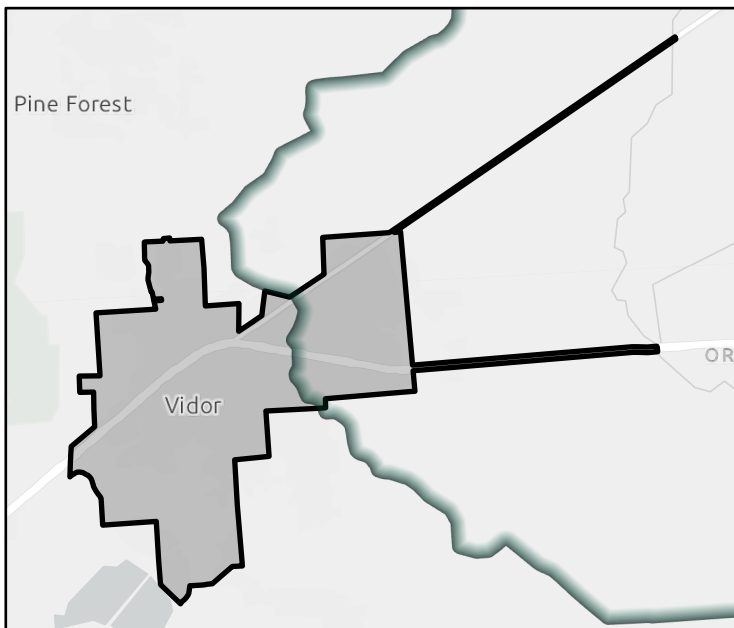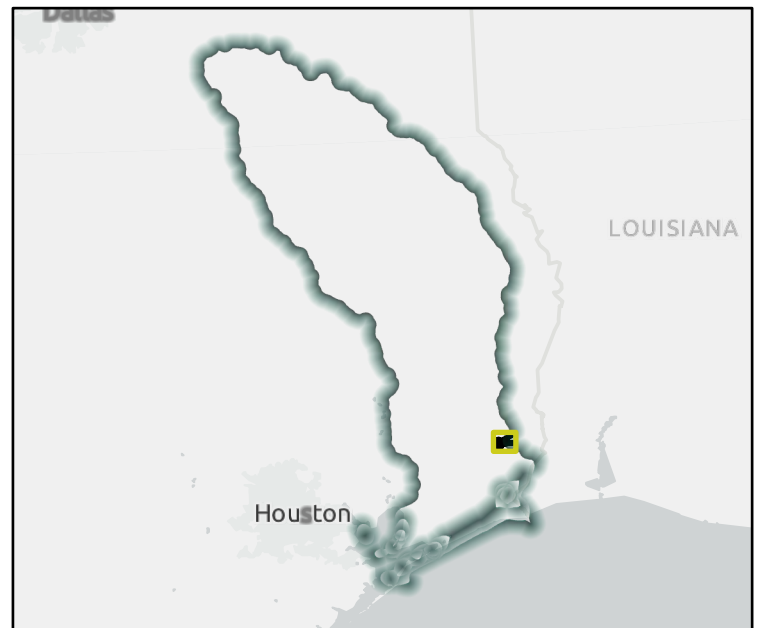
Farm/Ranch land impacted (ac.) 4   Roadways impacted (miles) 23

# of low water crossings 31   # of historical road closures 31

Estimated Cost and Funding Availability

Total Cost $2,200,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Whitehouse Master Drainage Plan

ID# 051000059 Sponsor Whitehouse (Municipality)

Recommended by RFPG? Yes Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Watershed Planning County Smith

Study description Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 5

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

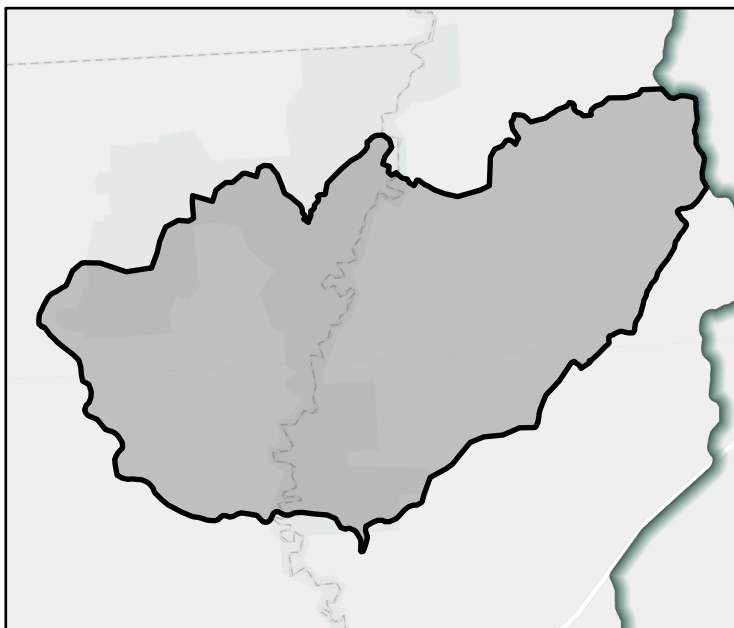Population at risk 67 # of structures 36 # of critical facilities 0

Flood risk type: Riverine? Yes Coastal? No Local Flooding? Yes Other? No

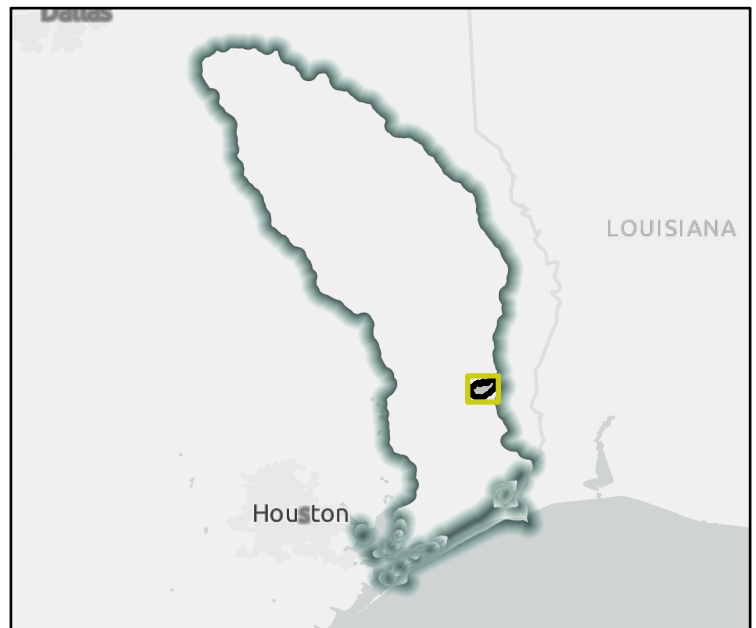Farm/Ranch land impacted (ac.) 2 Roadways impacted (miles) 1

# of low water crossings 1 # of historical road closures 1

Estimated Cost and Funding Availability

Total Cost $150,000 Potential federal funding availability? Yes Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title   Willie Nerron Road and Gillan Creek Bridge Replacement

ID#   051000060   Sponsor   Angelina (County)

Recommended by RFPG?   Yes   Reason for Recommendation   Complies with RFPG Goals

Study Details

Study type   Project Planning   County   Angelina

Study description   Evaluate bridge improvements (upgrade bridge and increase channel flow) to current crossing to develop costs, quantify benefits, evaluate impacts, and begin design.

FME to create new H&H model?   Yes   Emergency Need?   No   Anticipated models in near term?   No   Drainage area (sq. mi., est.)   2

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk   0   # of structures   0   # of critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local Flooding?   No   Other?   No

Farm/Ranch land impacted (ac.)   0   Roadways impacted (miles)   0

# of low water crossings   0   # of historical road closures   0

Estimated Cost and Funding Availability

Total Cost $325,000   Potential federal funding availability?   Yes   Potential Federal Funding Sources   -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title Hall Street over White Oak Creek Bridge Improvements

ID# 051000061   **Sponsor** Diboll (Municipality)

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning   **County** Angelina

Study description Evaluate alternatives to elevate bridge over White Oak Creek on Hall St going into the park

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** Yes   **Drainage area (sq. mi., est.)** 41

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 593   **# of structures** 155   **# of critical facilities** 6
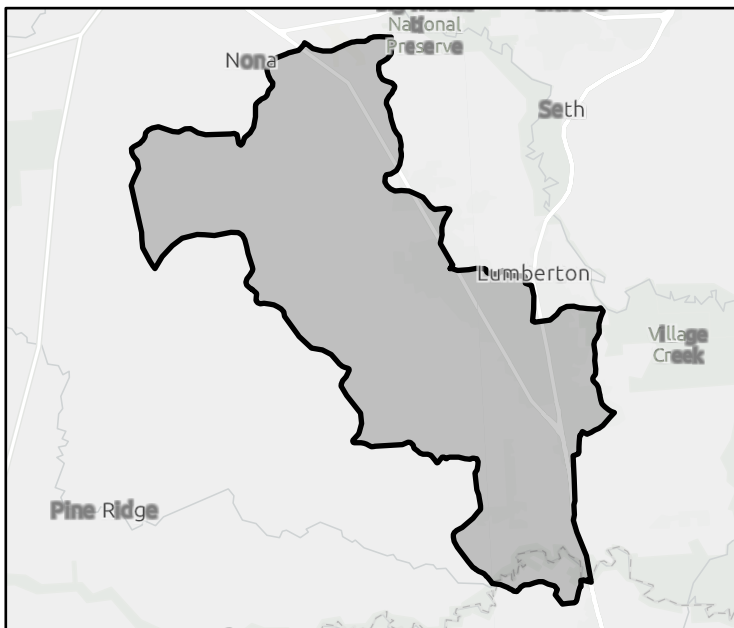
Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** Yes   **Other?** No

Farm/Ranch land impacted (ac.) 15   **Roadways impacted (miles)** 7
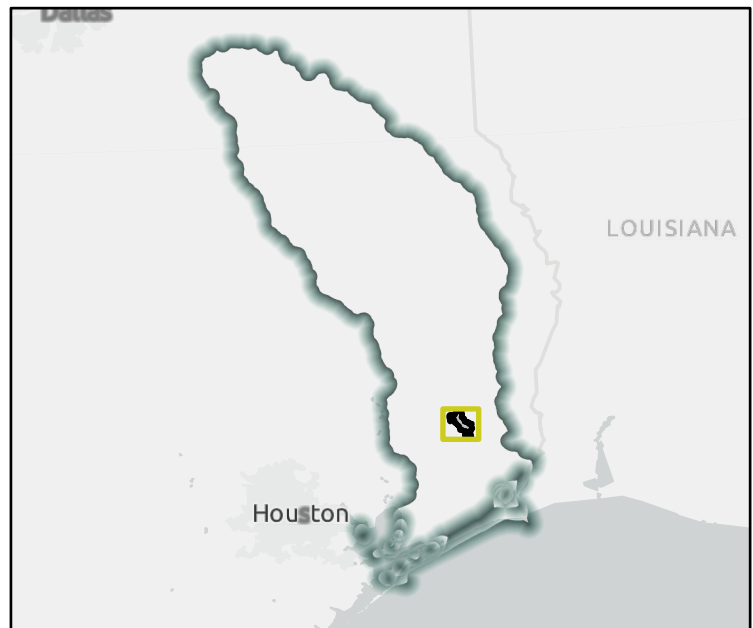
# of low water crossings 0   **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $103,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Preliminary Engineering of Gibsonville Street and Porterville Road Bridges Improvements

ID# 051000062   Sponsor Huntington (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Angelina

Study description Evaluate alternatives to raise bridges on Gibsonville St. and Porterville Road to increase flow of creek under.

FME to create new H&H model? Yes   Emergency Need? No   Anticipated models in near term? No   Drainage area (sq. mi., est.) 48

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 0   # of structures 6   # of critical facilities 0
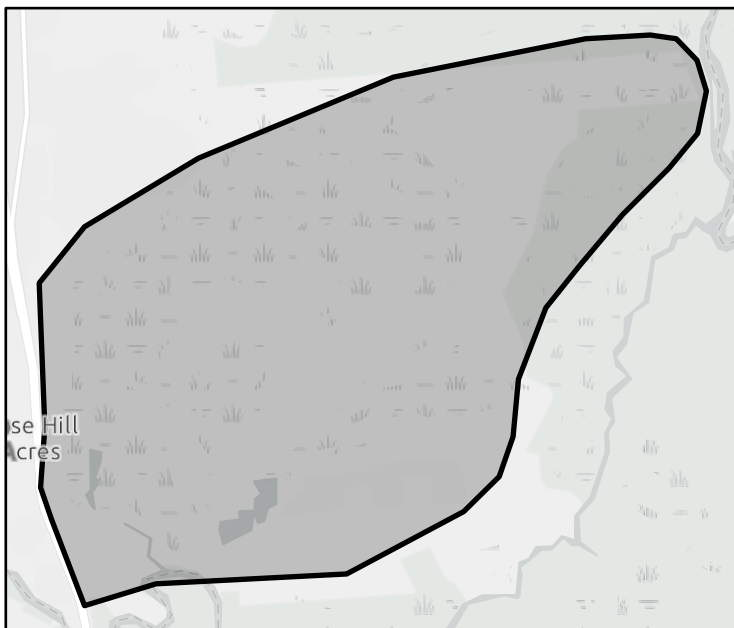
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

Farm/Ranch land impacted (ac.) 4   Roadways impacted (miles) 3

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $650,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title Shawnee Creek Concrete Canal

ID# 051000063   Sponsor Huntington (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning

County Angelina

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design for a concrete canal for Shawnee Creek from Louisiana Street to 6th Street.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 40

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

100-Year Flood Risk Summary

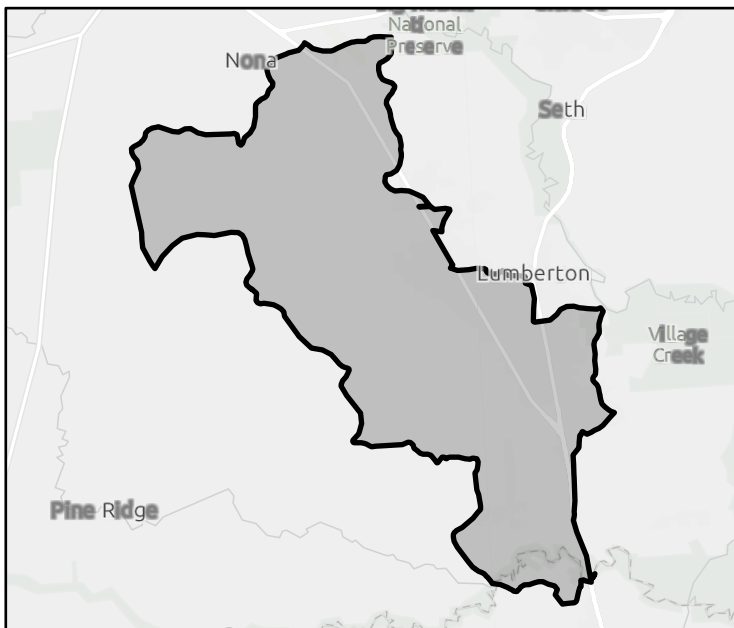Population at risk 22   # of structures 17   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

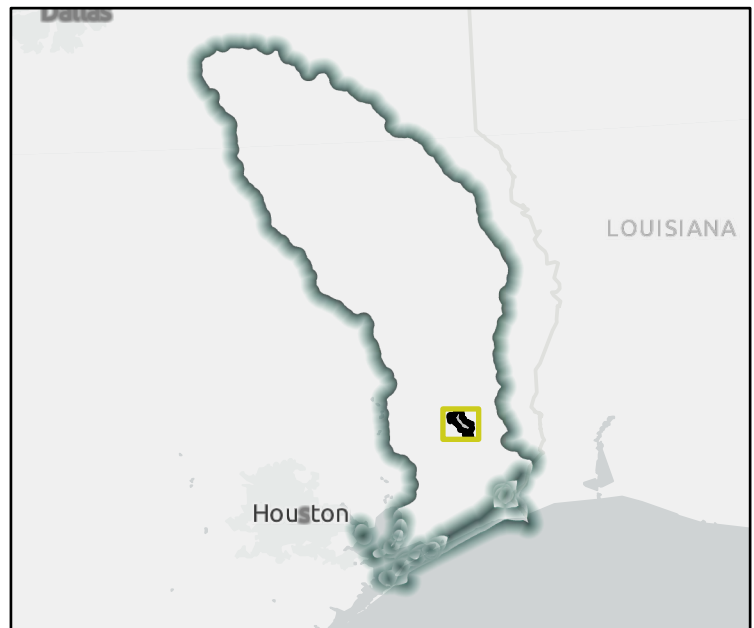Farm/Ranch land impacted (ac.) 5   Roadways impacted (miles) 2

# of low water crossings 2   # of historical road closures 2

Estimated Cost and Funding Availability

Total Cost $390,000   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

Title   City of Lufkin Detention Pond Construction and Improvements

ID#   051000064   Sponsor   Lufkin (Municipality)

Recommended by RFPG?   Yes   Reason for Recommendation   Complies with RFPG Goals

Study Details

Study type   Project Planning   County   Angelina

Study description   Evaluate project to quantify benefits, evaluate impacts, and begin design for a retention pond behind Inez Timms property. Increase holding capacity of existing retention ponds throughout the city.

FME to create new H&H model?   Yes   Emergency Need?   Yes   Anticipated models in near term?   No   Drainage area (sq. mi., est.)   220

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk   6,103   # of structures   969   # of critical facilities   5
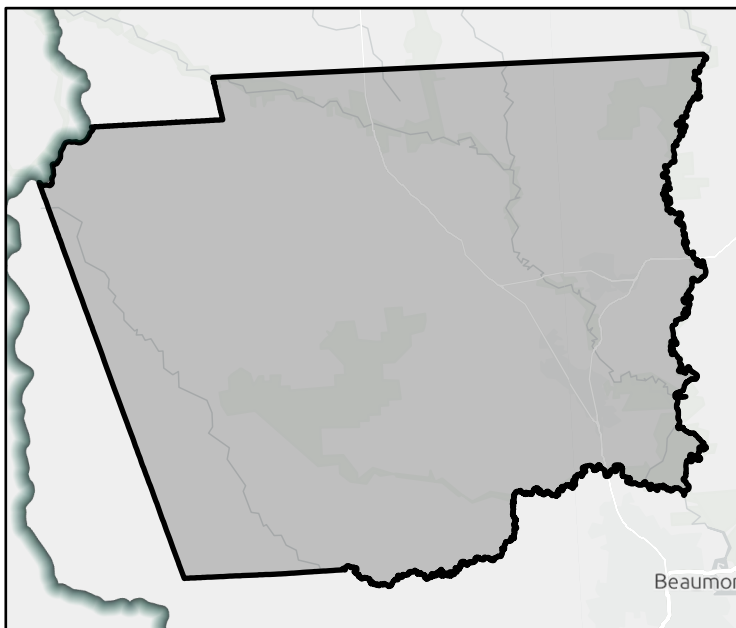
Flood risk type: Riverine?   Yes   Coastal?   No   Local Flooding?   Yes   Other?   Yes

Farm/Ranch land impacted (ac.)   37   Roadways impacted (miles)   34

# of low water crossings   16   # of historical road closures   16

Estimated Cost and Funding Availability

Total Cost $82,500   Potential federal funding availability?   Yes   Potential Federal Funding Sources   -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title Anahuac, North of Canal Drainage

ID# 051000065   Sponsor Chambers (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Chambers

Study description Study to identify possible drainage improvements in the city limits of Anahuac. Study will focus on the area north of the Chambers-Liberty Counties Navigation District canal generally along N. Main Street, Texas Avenue, and Work Street.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 139

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

100-Year Flood Risk Summary

Population at risk 925   # of structures 949   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 10,886   Roadways impacted (miles) 59

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Dredging West Fork- Double Bayou

ID# 051000066   Sponsor Chambers (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Chambers

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include dredging West Fork- Double Bayou from mouth to FM 562 bridge.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 139

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

100-Year Flood Risk Summary

Population at risk 925   # of structures 949   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 10,886   Roadways impacted (miles) 59

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $1,400,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Spindletop Bayou Ditch Improvement

ID# 051000067   Sponsor Chambers (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Chambers

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include increasing IH10 crossings, enlarge ditches and create retention along the Spindletop Bayou in east Chambers County.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 302

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

100-Year Flood Risk Summary

Population at risk 147   # of structures 345   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 22,570   Roadways impacted (miles) 79

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $1,500,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title North Anahuac Drainage

ID# 051000068   Sponsor Anahuac (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Chambers

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include expanding/repairing road ditches and culverts and channelizing the drainage outfall for the area north of Lonestar Canal.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 139

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

100-Year Flood Risk Summary

Population at risk 925   # of structures 949   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 10,886   Roadways impacted (miles) 59

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $800,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title Southeast Drainage Ditch

ID# 051000069   Sponsor Anahuac (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Chambers

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include channelization and crossing upgrades from Benton Lane to FM 563.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 139

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

100-Year Flood Risk Summary

Population at risk 925   # of structures 949   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 10,886   Roadways impacted (miles) 59

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $125,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

Title   Southwest Anahuac Ditch

ID#   051000070   Sponsor   Anahuac (Municipality)

Recommended by RFPG?   Yes   Reason for Recommendation   Complies with RFPG Goals

Study Details

Study type	Project Planning	County	Chambers

Study description   Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include channelization and crossing upgrades from Main Street to Bay.

FME to create new H&H model?   Yes   Emergency Need?   Yes   Anticipated models in near term?   Yes   Drainage area (sq. mi., est.)   139

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

100-Year Flood Risk Summary

Population at risk   925   # of structures   949   # of critical facilities   0
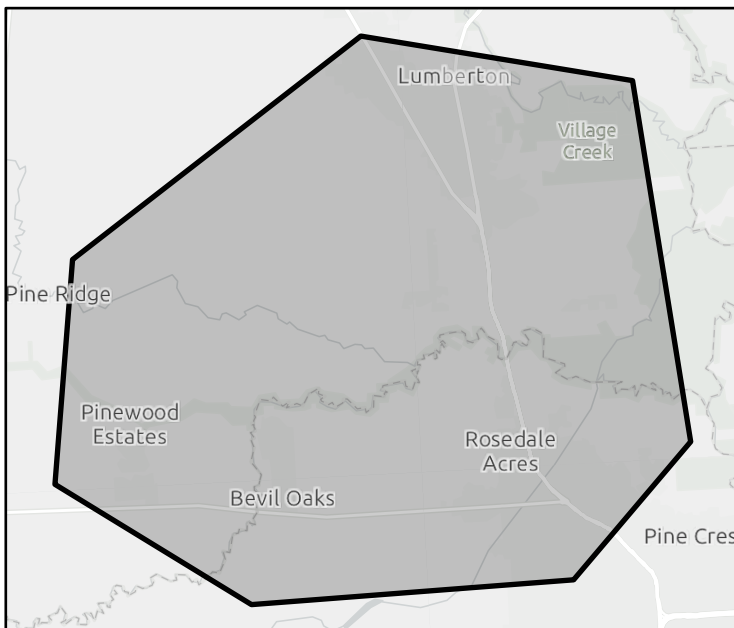
Flood risk type: Riverine?   Yes   Coastal?   Yes   Local Flooding?   No   Other?   Yes

Farm/Ranch land impacted (ac.)   10,886   Roadways impacted (miles)   59

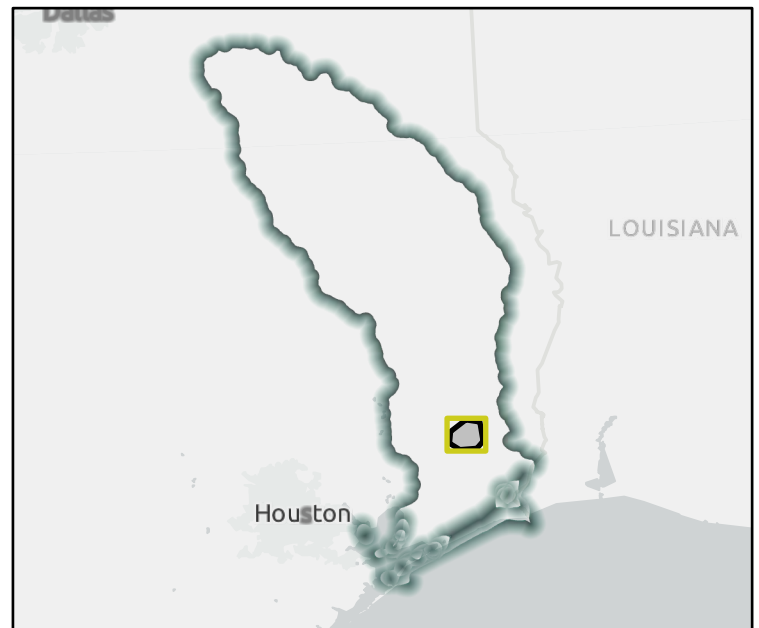# of low water crossings   0   # of historical road closures   0

Estimated Cost and Funding Availability

Total Cost $125,000   Potential federal funding availability?   Yes   Potential Federal Funding Sources   -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Lumberton Adler Ditch Drainage Improvements

ID# 051000071   Sponsor Lumberton (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Hardin

Study description H&H Study to identify alternatives for improving existing drainage of Adler Ditch

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 3

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 27   # of structures 2   # of critical facilities 0
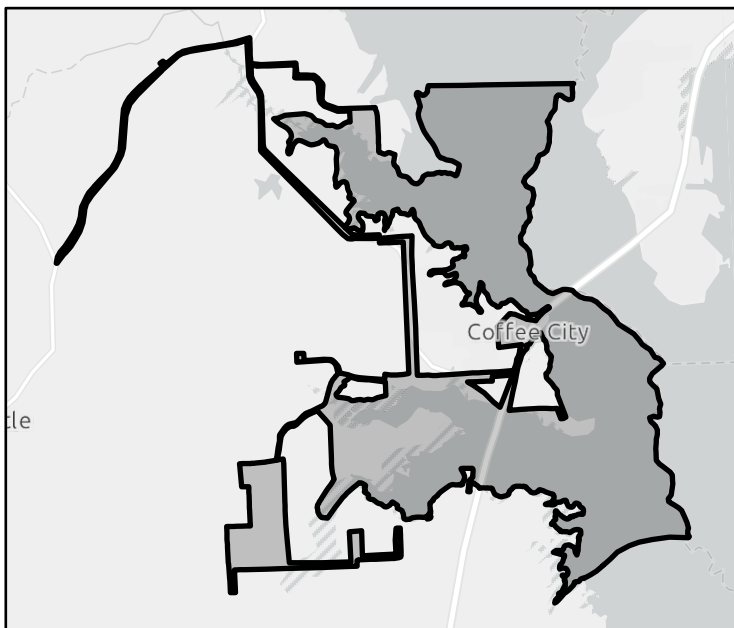
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 18   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Lumberton East Village Creek Parkway Drainage Improvements

ID# 051000072 Sponsor Lumberton (Municipality)

Recommended by RFPG? Yes Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning County Hardin

Study description H&H Study to identify alternatives for improving existing drainage of East Village Creek Parkway

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 2

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

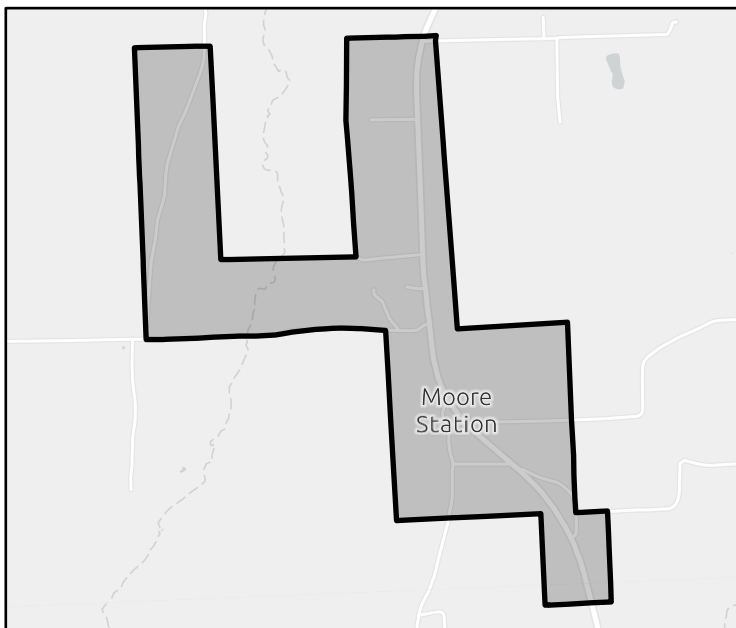Population at risk 82 # of structures 27 # of critical facilities 0

Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) 1 Roadways impacted (miles) 1

# of low water crossings 1 # of historical road closures 1

Estimated Cost and Funding Availability

Total Cost $125,000 Potential federal funding availability? Yes Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Lumberton Greens Branch Ditch Western Extension

ID# 051000073   Sponsor Lumberton (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Hardin

Study description H&H Study to identify alternatives for improving existing drainage of Greens Branch Ditch

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 11

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 622   # of structures 230   # of critical facilities 0
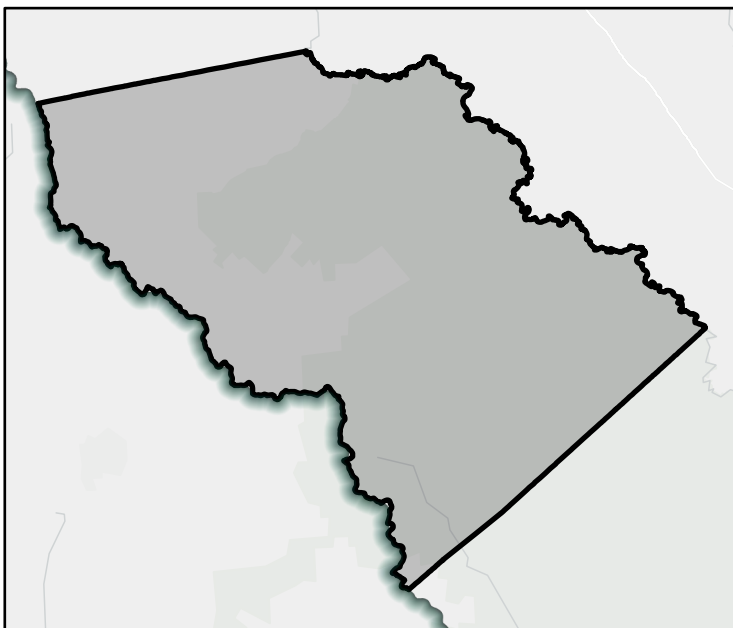
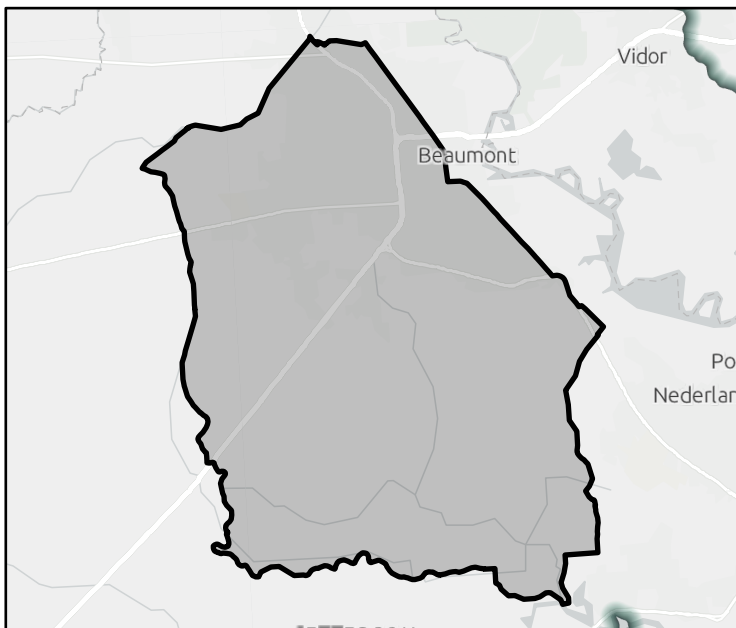Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 6   Roadways impacted (miles) 4
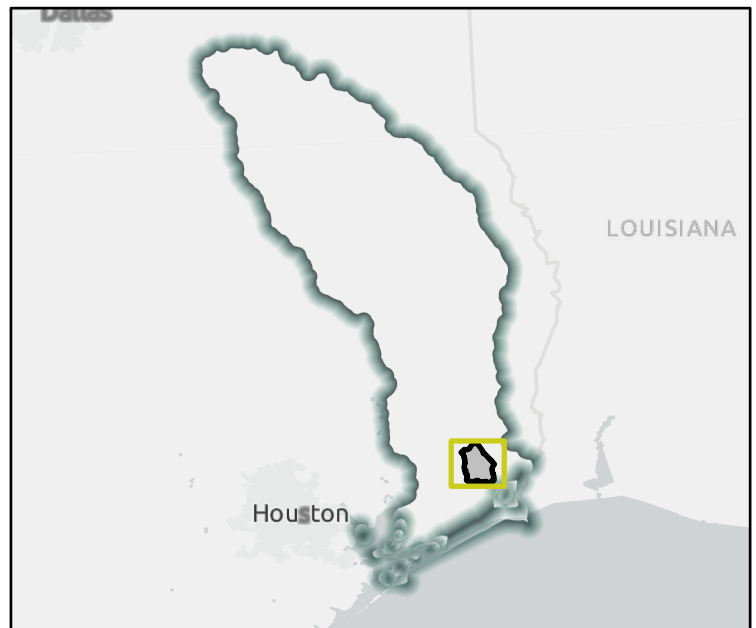
# of low water crossings 1   # of historical road closures 1

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title City of Lumberton Drainage Chance Cut Off Concrete Lining

ID# 051000074   Sponsor Lumberton (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

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Study Details

Study type Project Planning   County Hardin

Study description H&H Study to identify alternatives for improving existing drainage of Chance Cut Off

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 2

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 71   # of structures 10   # of critical facilities 0

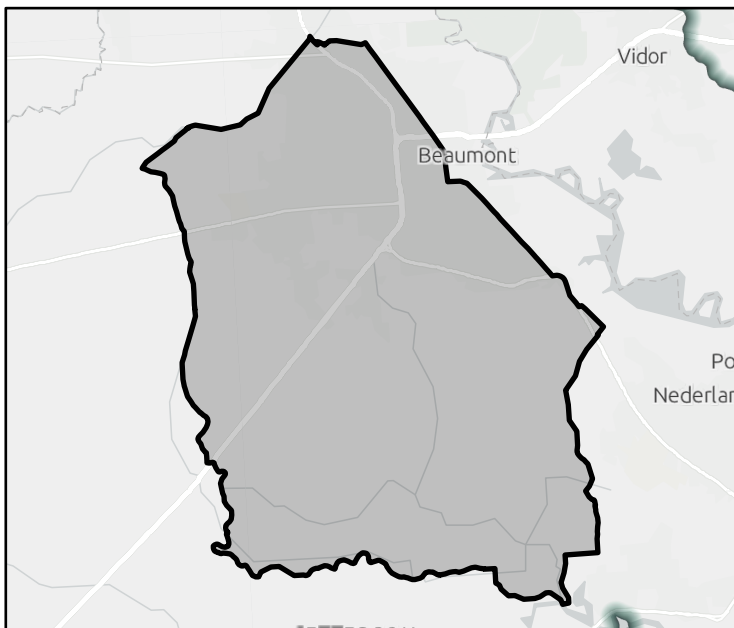Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

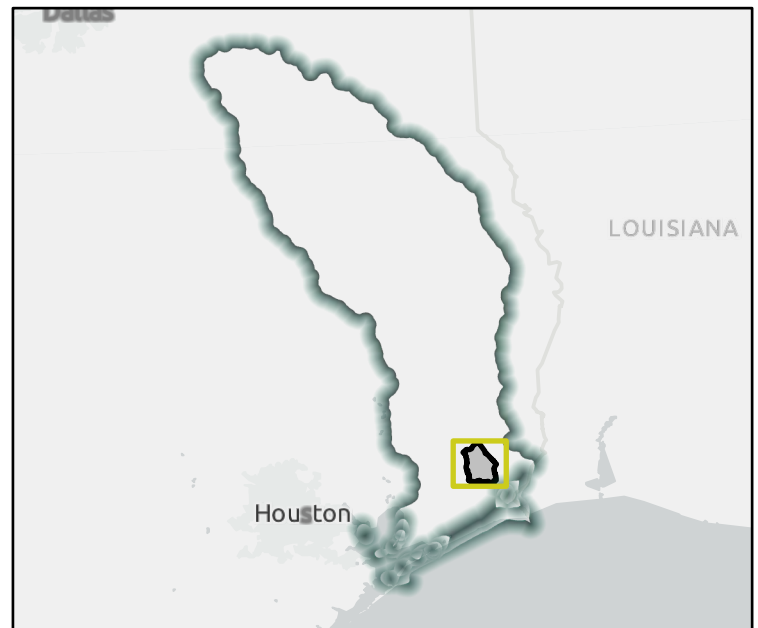Farm/Ranch land impacted (ac.) 1   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $50,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Lumberton Detention Pond at FM 421

ID# 051000075   Sponsor Lumberton (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Hardin

Study description H&H Study to develop alternatives for detention at FM 421

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 11

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 847   # of structures 539   # of critical facilities 1

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 10   Roadways impacted (miles) 10

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $50,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Lumberton Elevate Taft Road and Brushy Creek Subdivision

ID# 051000076   Sponsor Lumberton (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type   Project Planning   County Hardin

Study description   H&H Study to identify alternatives for elevating Taft Road and Brushy Creek Subdivision

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 0

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 357   # of structures 130   # of critical facilities 0

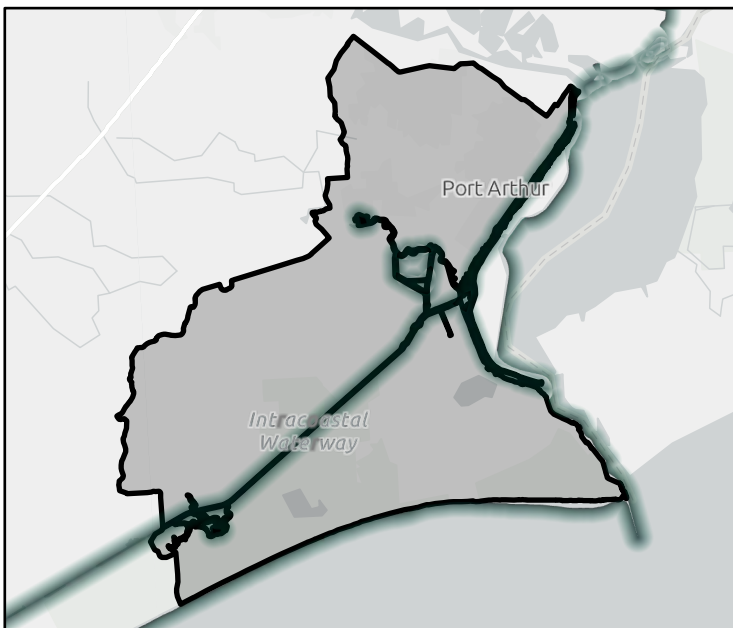Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

Farm/Ranch land impacted (ac.) 2   Roadways impacted (miles) 2
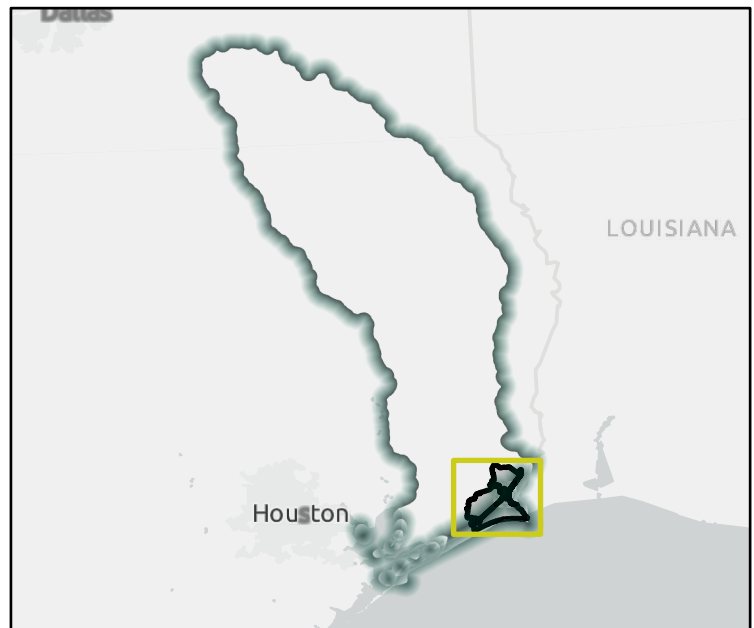
# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $75,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Rose Hill Acres Flood Mitigation Improvements

ID# 051000077   Sponsor Rose Hill Acres (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Hardin

Study description Develop drainage study to identify flood mitigation measures in and around Rose Hill Acres ETJ.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 0

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 25%.
Goal 6: Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 75%.

100-Year Flood Risk Summary

Population at risk 234   # of structures 129   # of critical facilities 0

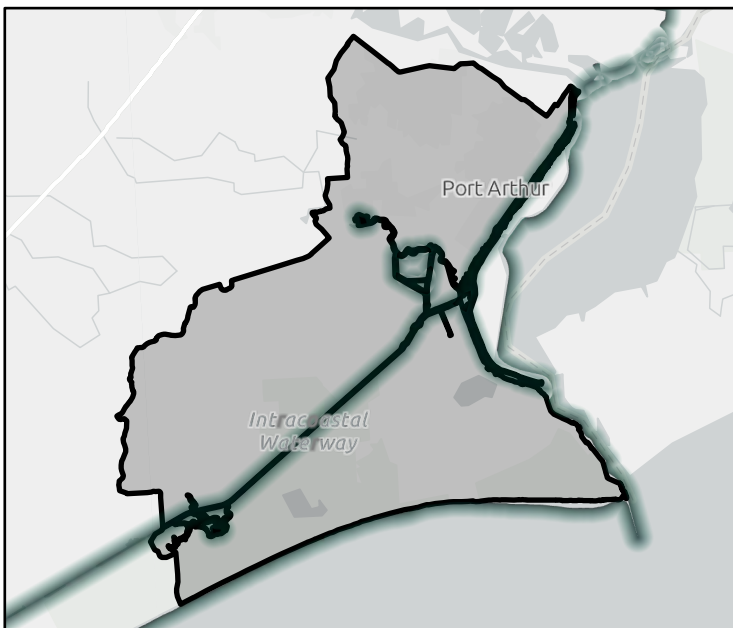Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No
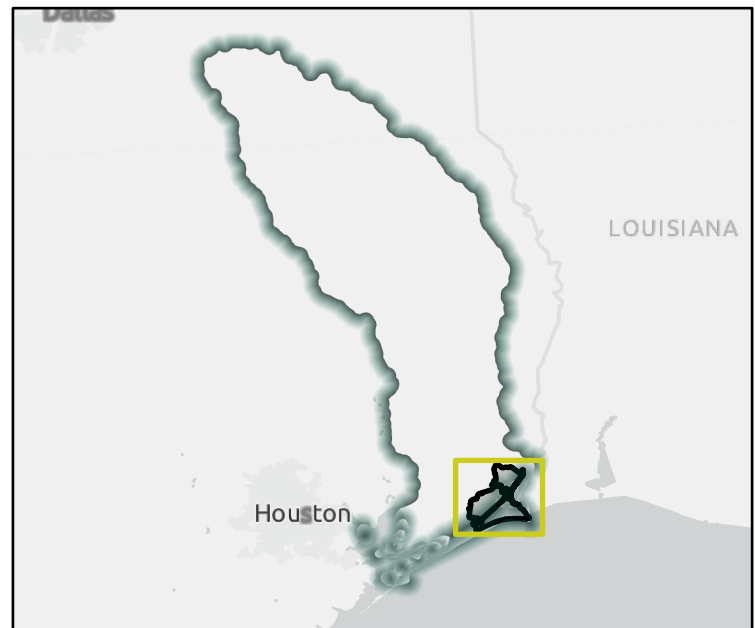
Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 2

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $500,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Nacogdoches Flood Mitigation Project

ID# 051000078   **Sponsor** Nacogdoches (Municipality)

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning   **County** Nacogdoches

Study description H&H study to mitigate the wide-spread flooding that occurs along LaNana and Banita Creeks in the City of Nacogdoches

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** No   **Drainage area (sq. mi., est.)** 28

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 25%.

Goal 6: Increase the amount of State/Federal funding for flood mitigation projects and strategies awarded within the Neches Region by 75%.

100-Year Flood Risk Summary

Population at risk 3,965   **# of structures** 446   **# of critical facilities** 1
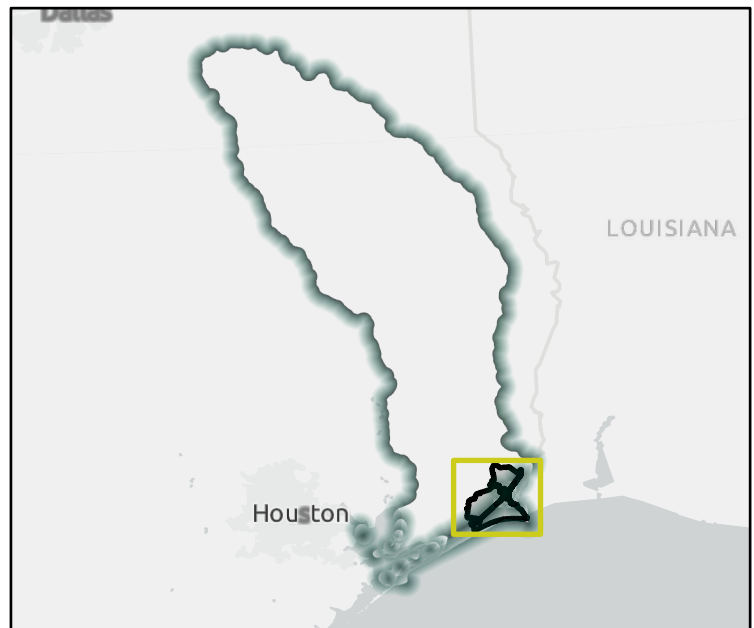
Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** Yes   **Other?** No

Farm/Ranch land impacted (ac.) 4   **Roadways impacted (miles)** 14

# of low water crossings 0   **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $100,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Rose Hill Acres Ditch Improvements

ID# 051000079   Sponsor Rose Hill Acres (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

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Study Details

Study type Project Planning   County Hardin

Study description H&H Study to identify alternatives for ditch improvements within Rose Hill Acres

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 0

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

100-Year Flood Risk Summary

Population at risk 234   # of structures 129   # of critical facilities 0
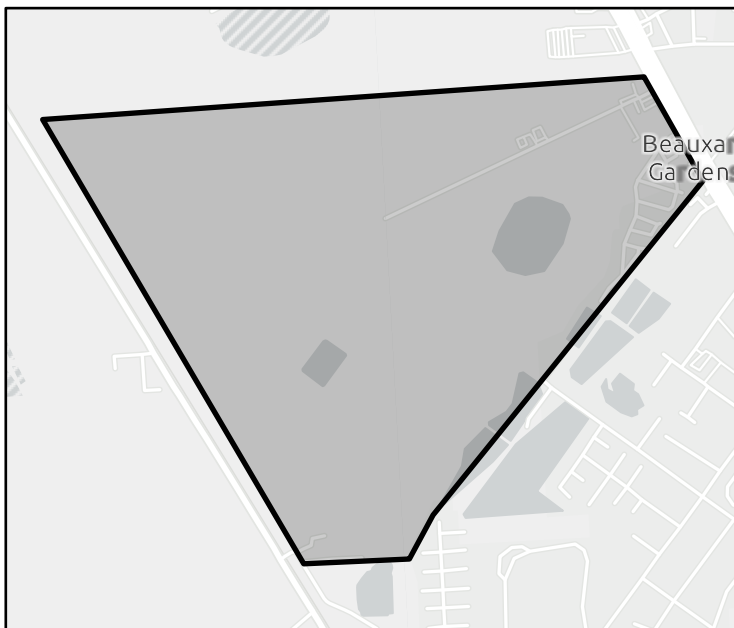
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

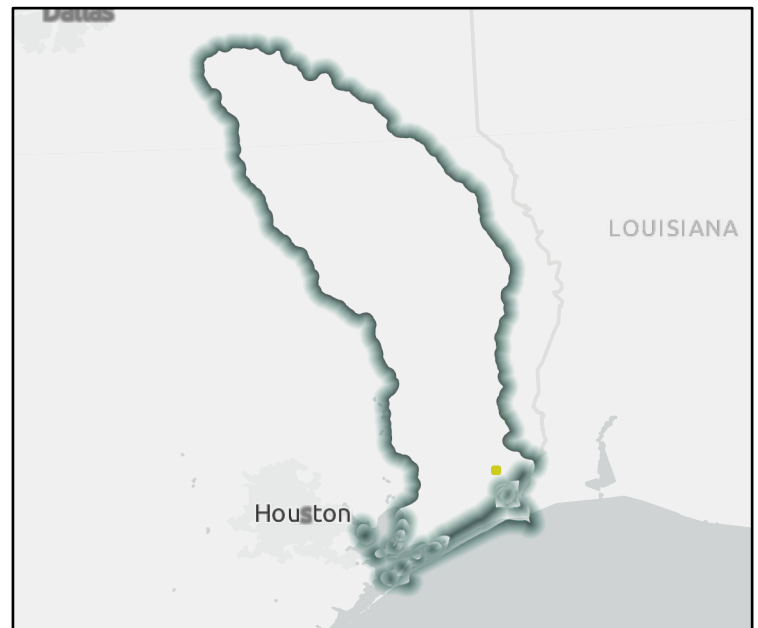Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 2

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $50,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title City of Rose Hill Acres Road and Bridge Elevation

ID# 051000080   Sponsor Rose Hill Acres (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Hardin

Study description H&H study to locate roadways prone to flooding and identify alternatives to improve drainage.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 0

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 234   # of structures 129   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 2

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $50,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Silsbee Easy Street Drainage Improvements

ID# 051000081 Sponsor Silsbee (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning

County Hardin

Study description H&H study to locate roadways prone to flooding and identify alternatives to improve drainage.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 4

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 228

\# of structures 135
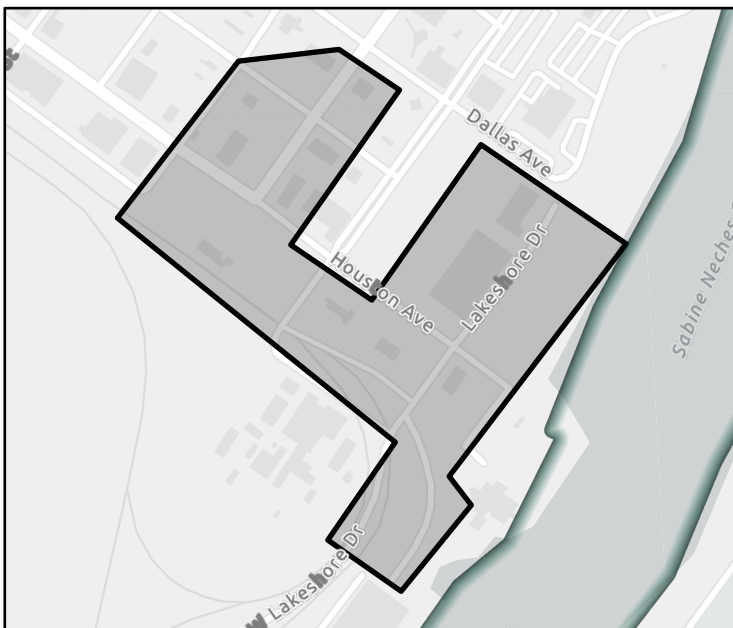
\# of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

Farm/Ranch land impacted (ac.) 4

Roadways impacted (miles) 3

\# of low water crossings 4

\# of historical road closures 4

Estimated Cost and Funding Availability

Total Cost $50,000

Potential federal funding availability? Yes

Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title City of Vidor Schoolhouse Ditch Alternative B

ID# 051000082   Sponsor Orange (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Orange

Study description H&H study to identify alternatives for Schoolhouse Ditch

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 3

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 411   # of structures 150   # of critical facilities 0
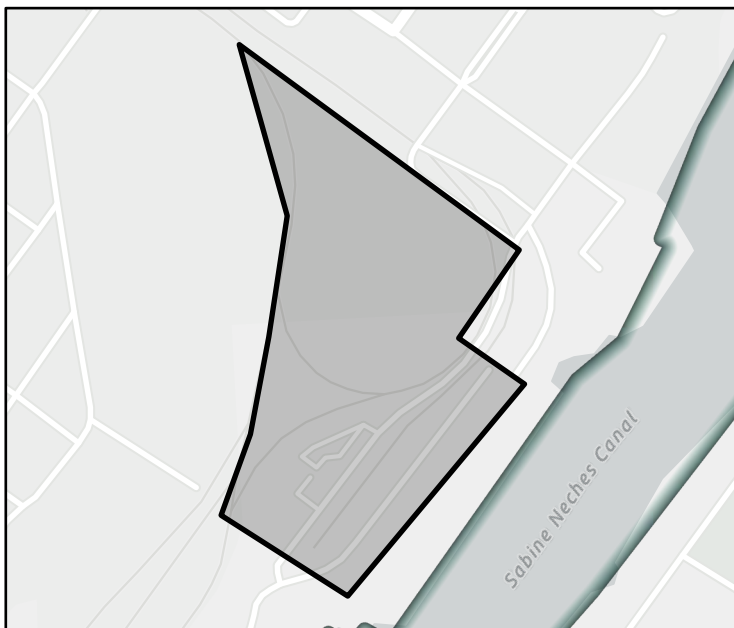
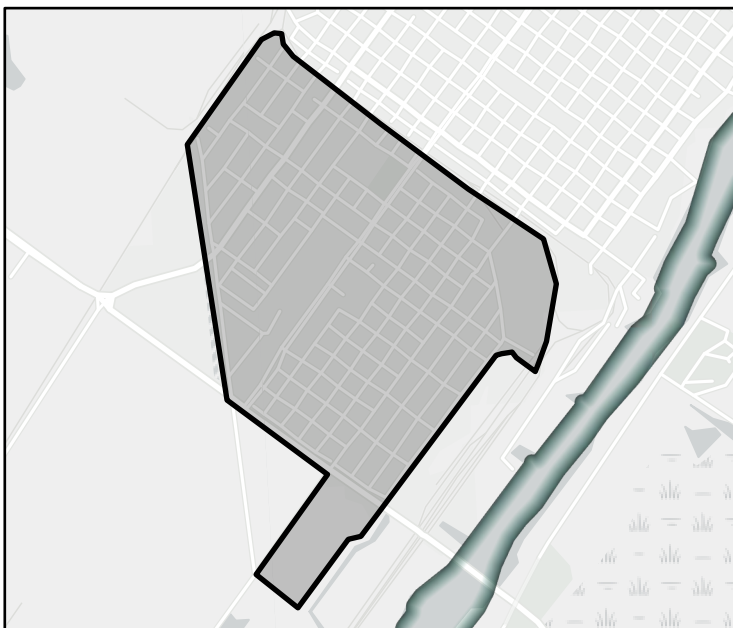Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 2
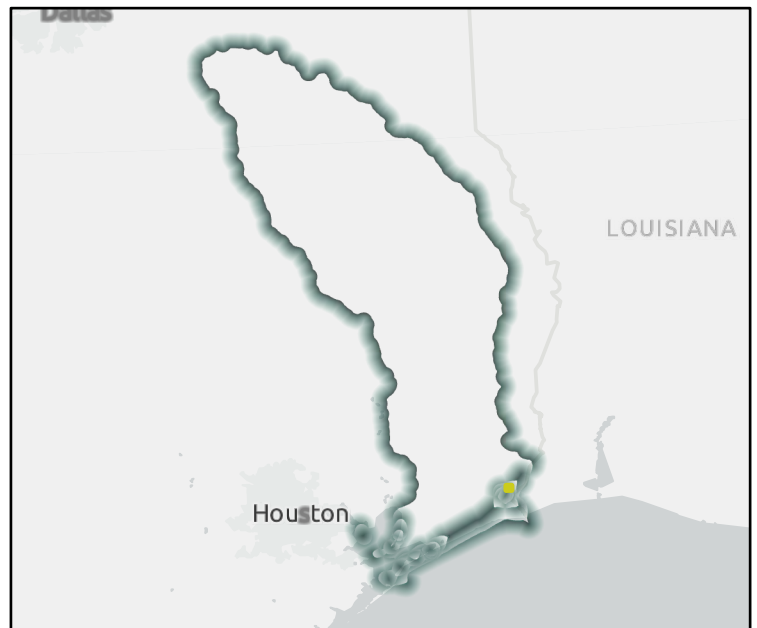
# of low water crossings 3   # of historical road closures 3

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title City of Vidor Schoolhouse Ditch Alternative C

ID# 051000083   **Sponsor** Orange (County)

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning   **County** Orange

Study description H&H study to identify alternatives for Schoolhouse Ditch

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** Yes   **Drainage area (sq. mi., est.)** 3

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 411   **# of structures** 150   **# of critical facilities** 0

Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** No   **Other?** Yes

Farm/Ranch land impacted (ac.) 0   **Roadways impacted (miles)** 2

# of low water crossings 3   **# of historical road closures** 3

Estimated Cost and Funding Availability

Total Cost $100,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title | City of Vidor Drainage Improvements

ID# 051000084   Sponsor Orange (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type | Project Planning   County Orange

Study description | Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 10

Goal(s) | Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 1,143   # of structures 541   # of critical facilities 1
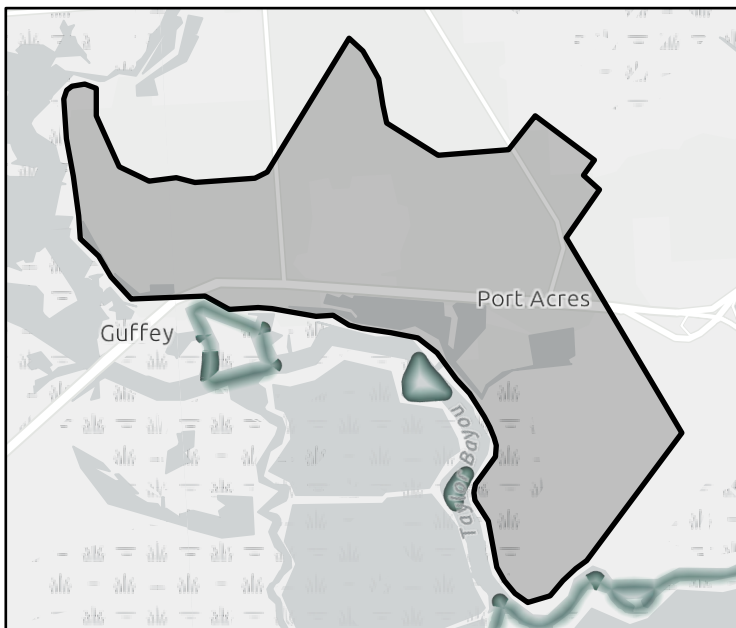
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

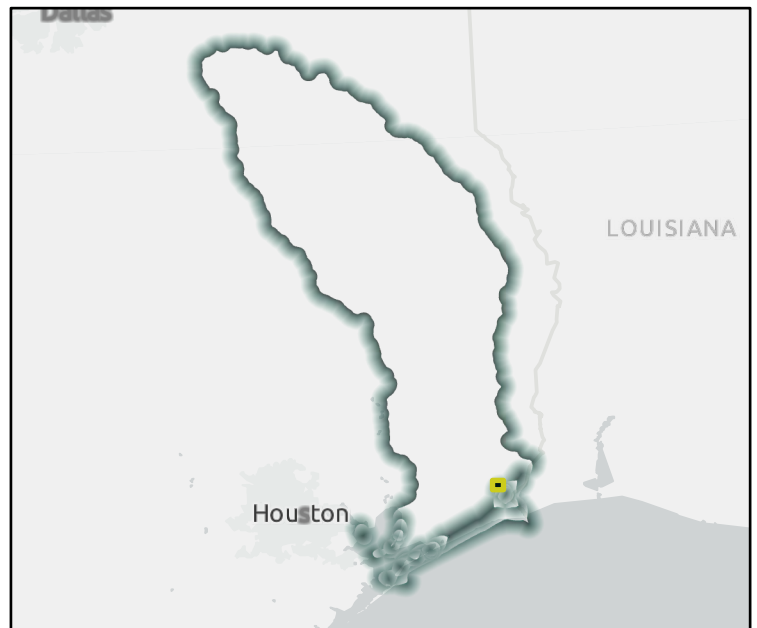Farm/Ranch land impacted (ac.) 1   Roadways impacted (miles) 13

# of low water crossings 5   # of historical road closures 5

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Hardin County Black Creek Detention Pond

ID# 051000085   Sponsor Hardin (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Hardin

Study description H&H Study to develop alternatives for detention at Black Creek.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 50

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 11   # of structures 23   # of critical facilities 0
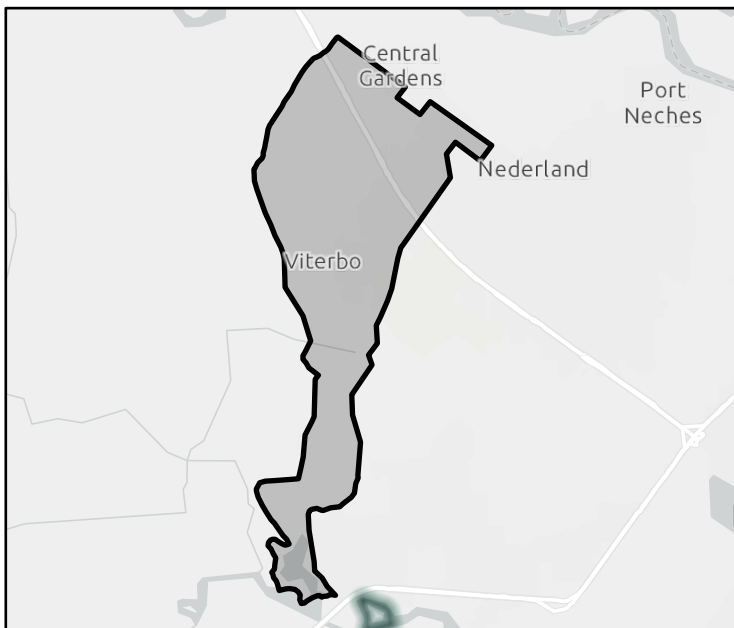
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

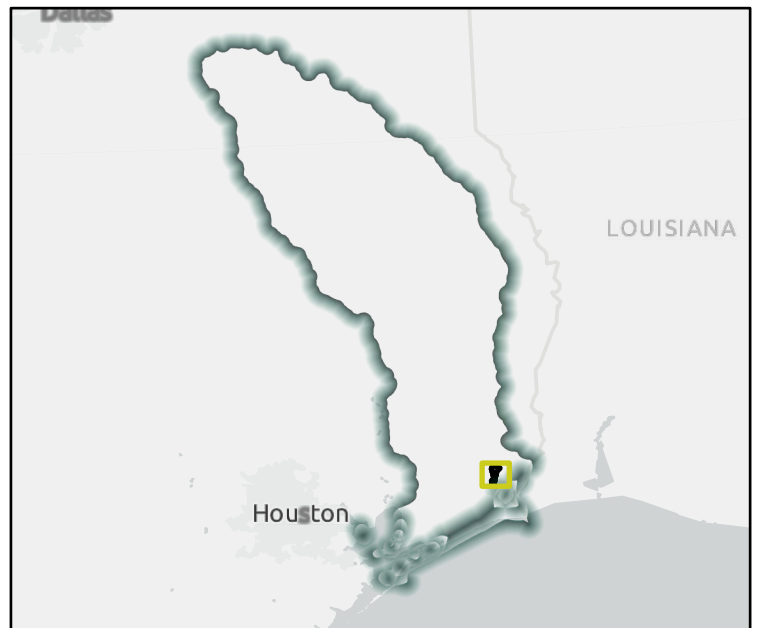Farm/Ranch land impacted (ac.) 15   Roadways impacted (miles) 8

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $150,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

85 of 157

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title | Hardin County Boggy Creek Detention Pond

ID# | 051000086 | Sponsor | Hardin (County)

Recommended by RFPG? | Yes | Reason for Recommendation | Complies with RFPG Goals

Study Details

Study type | Project Planning | County | Hardin

Study description | H&H Study to develop alternatives for detention on Boggy Creek.

FME to create new H&H model? | Yes | Emergency Need? | Yes | Anticipated models in near term? | No | Drainage area (sq. mi., est.) | 43

Goal(s) | Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk | 1,000 | # of structures | 648 | # of critical facilities | 1
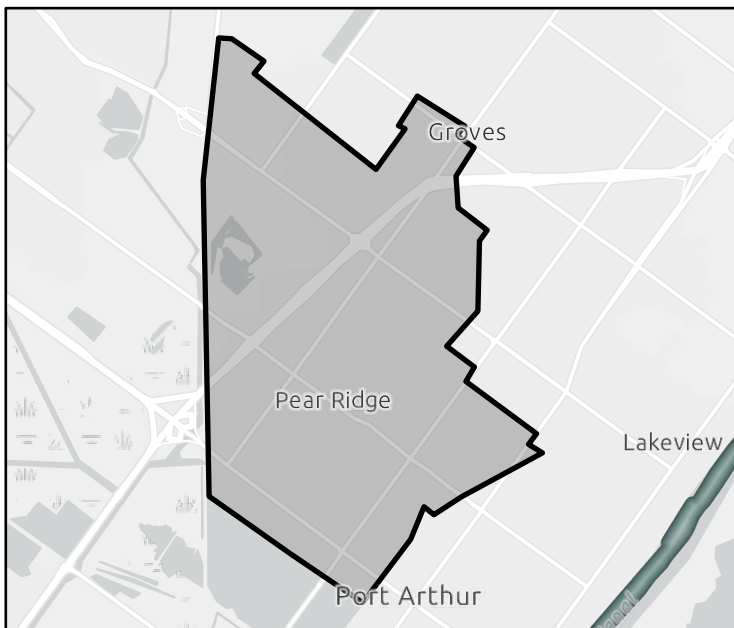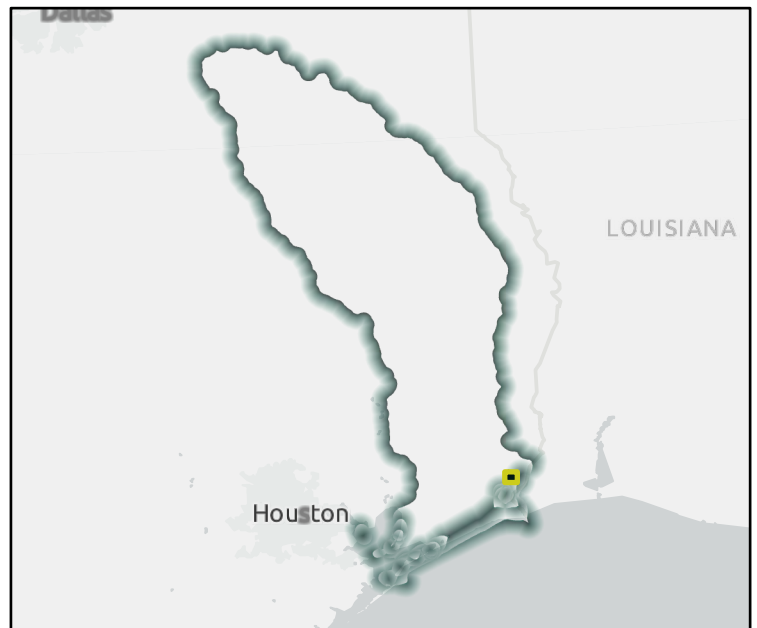
Flood risk type: Riverine? | Yes | Coastal? | No | Local Flooding? | No | Other? | Yes

Farm/Ranch land impacted (ac.) | 43 | Roadways impacted (miles) | 14

# of low water crossings | 0 | # of historical road closures | 0

Estimated Cost and Funding Availability

Total Cost | $150,000 | Potential federal funding availability? | Yes | Potential Federal Funding Sources | -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Hardin County Cooks Lake Road Bridge Elevation

ID# 051000087 **Sponsor** Hardin (County)

Recommended by RFPG? Yes **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning **County** Hardin

Study description H&H study to improve drainage along Cooks Lake Bridge.

FME to create new H&H model? Yes **Emergency Need?** Yes **Anticipated models in near term?** No **Drainage area (sq. mi., est.)** 10

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 119 **# of structures** 41 **# of critical facilities** 0

Flood risk type: Riverine? Yes **Coastal?** No **Local Flooding?** No **Other?** No

Farm/Ranch land impacted (ac.) 8 **Roadways impacted (miles)** 3

# of low water crossings 0 **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $20,000 **Potential federal funding availability?** Yes **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Reservoir

ID# 051000088   Sponsor: Hardin (County)

Recommended by RFPG? Yes   Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Project Planning   County: Hardin

Study description: H&H study of large reservoir for flood control / drought assistance.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 43

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 1,000   # of structures: 648   # of critical facilities: 1
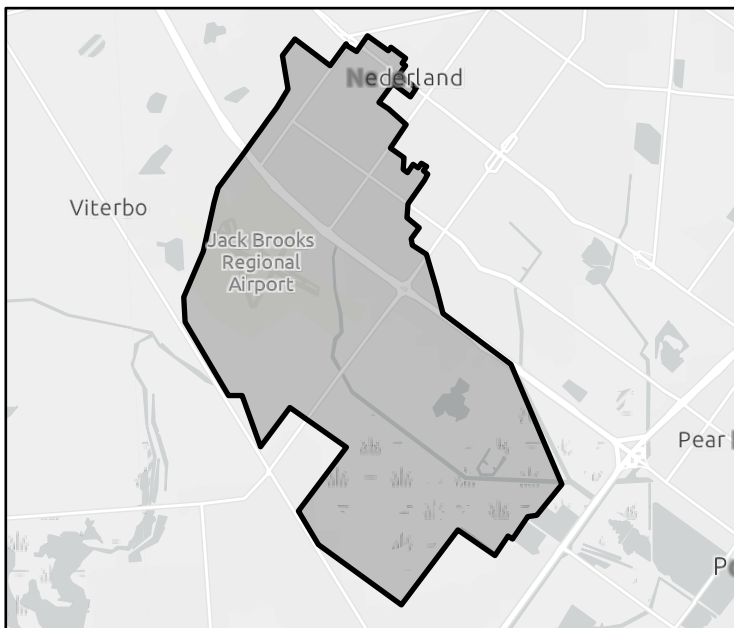
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

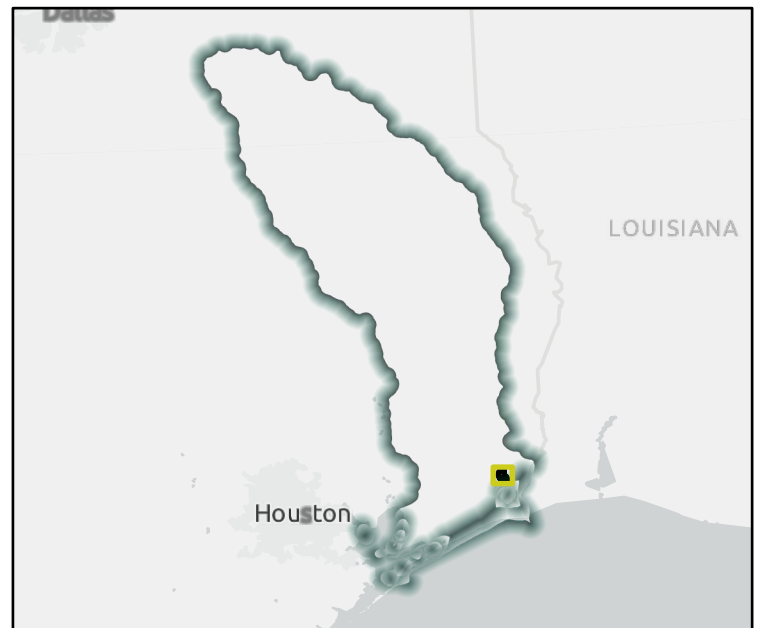Farm/Ranch land impacted (ac.): 43   Roadways impacted (miles): 14

# of low water crossings: 0   # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $500,000   Potential federal funding availability? Yes   Potential Federal Funding Sources: -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title Hardin County South Area Drainage System

ID# 051000089   Sponsor Hardin (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Hardin

Study description H&H study to identify alternatives for developing a drainage system to drain / retain flood waters around the communities of Pinewood, Countrywood, Bevil Oaks, and Rose Hill

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 886

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

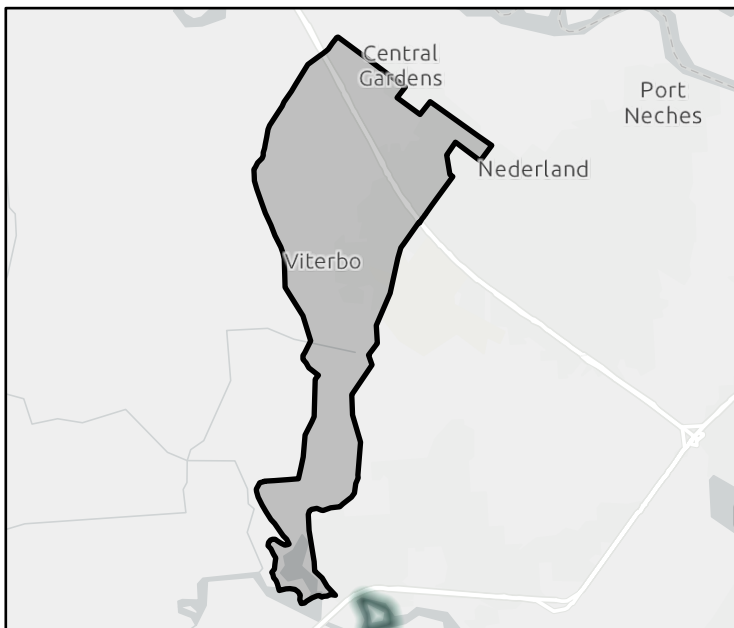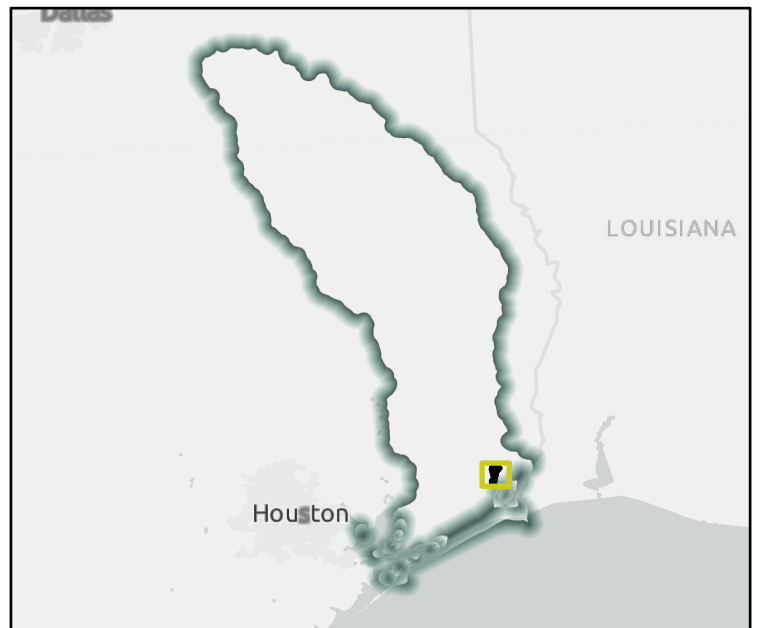Population at risk 7,210   # of structures 3,676   # of critical facilities 25

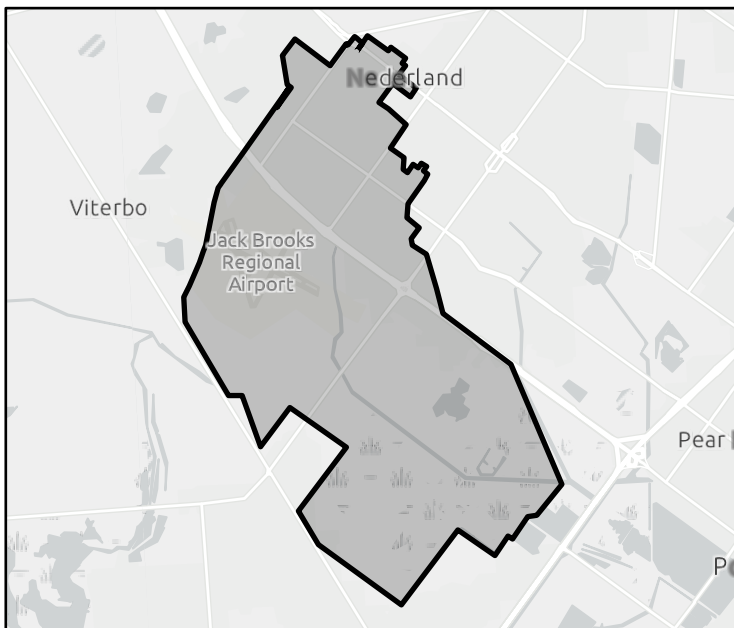Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 743   Roadways impacted (miles) 136
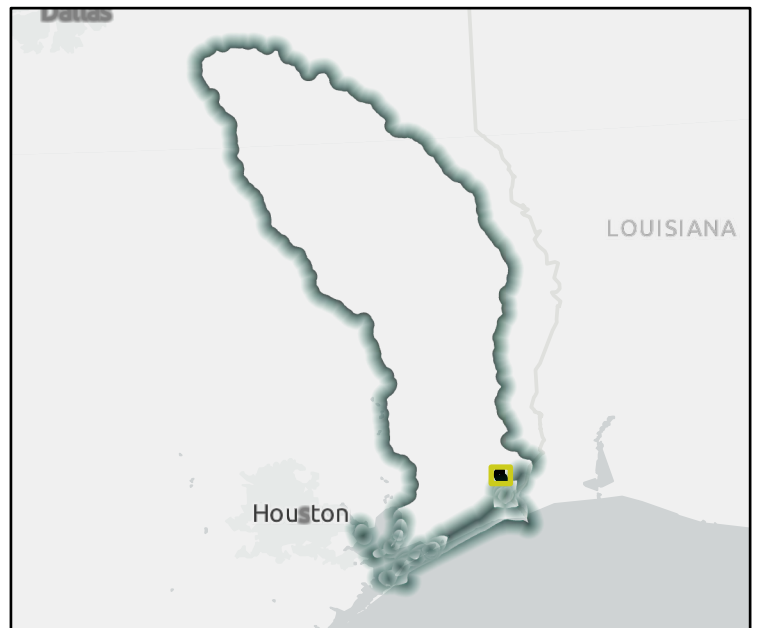
# of low water crossings 13   # of historical road closures 13

Estimated Cost and Funding Availability

Total Cost $1,000,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Hardin County SE Area Drainage System

ID# 051000090   **Sponsor** Hardin (County)

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning   **County** Hardin

Study description H&H study to identify alternatives for developing a large drainage system to drain Lumberton directly into the Neches River, instead of Pine Island Bayou.

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** Yes   **Drainage area (sq. mi., est.)** 888

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 7,212   **# of structures** 3,678   **# of critical facilities** 25

Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** No   **Other?** Yes

Farm/Ranch land impacted (ac.) 743   **Roadways impacted (miles)** 136

# of low water crossings 13   **# of historical road closures** 13

Estimated Cost and Funding Availability

Total Cost $1,250,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title: Hardin County Pinewood Drainage Improvements

ID# 051000091   Sponsor: Hardin (County)

Recommended by RFPG? Yes   Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Project Planning   County: Hardin

Study description: H&H Study to identify alternatives for improving existing drainage within Pinewood.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 43

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 1,000   # of structures: 648   # of critical facilities: 1
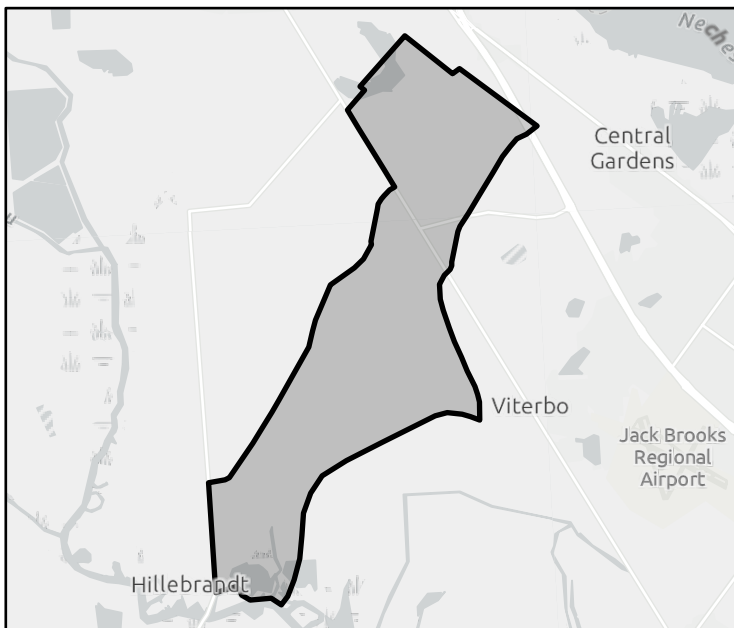
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

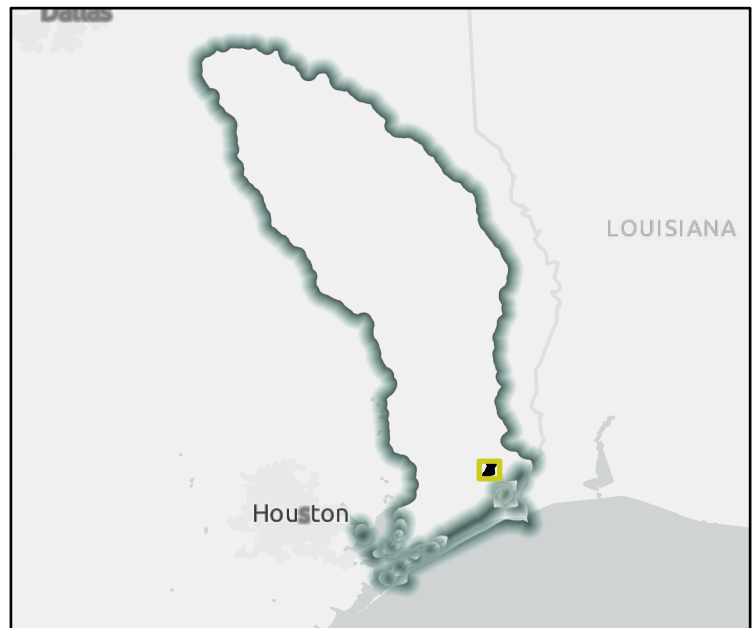Farm/Ranch land impacted (ac.): 43   Roadways impacted (miles): 14

# of low water crossings: 0   # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $350,000   Potential federal funding availability? Yes   Potential Federal Funding Sources: -
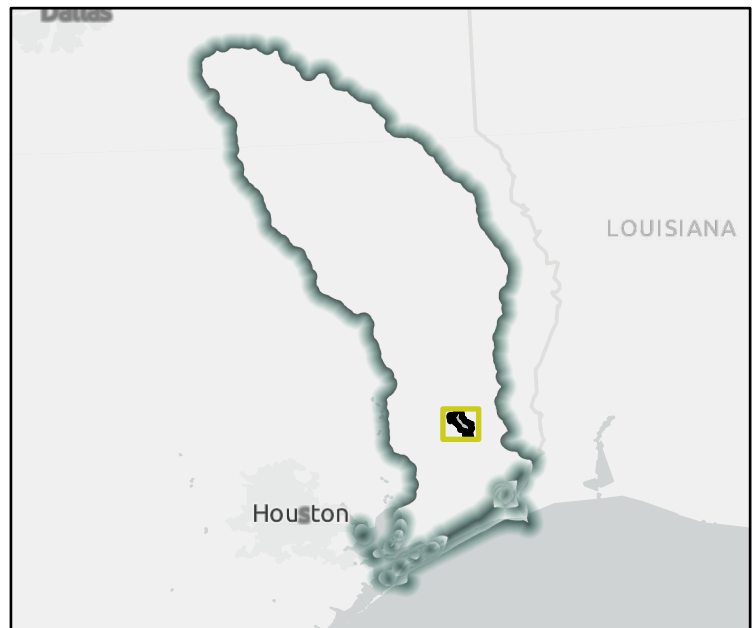
FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Hardin County Coon Marsh Gully Drainage Improvements

ID# 051000092   **Sponsor** Hardin (County)

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning   **County** Hardin

Study description H&H Study to identify alternatives for improving existing drainage within Marsh Gully

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** Yes   **Drainage area (sq. mi., est.)** 2

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 792   **# of structures** 285   **# of critical facilities** 1
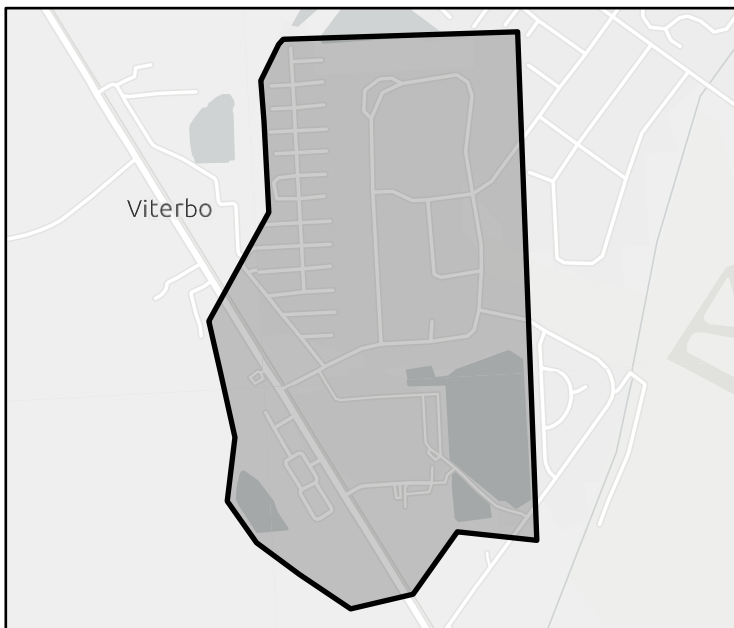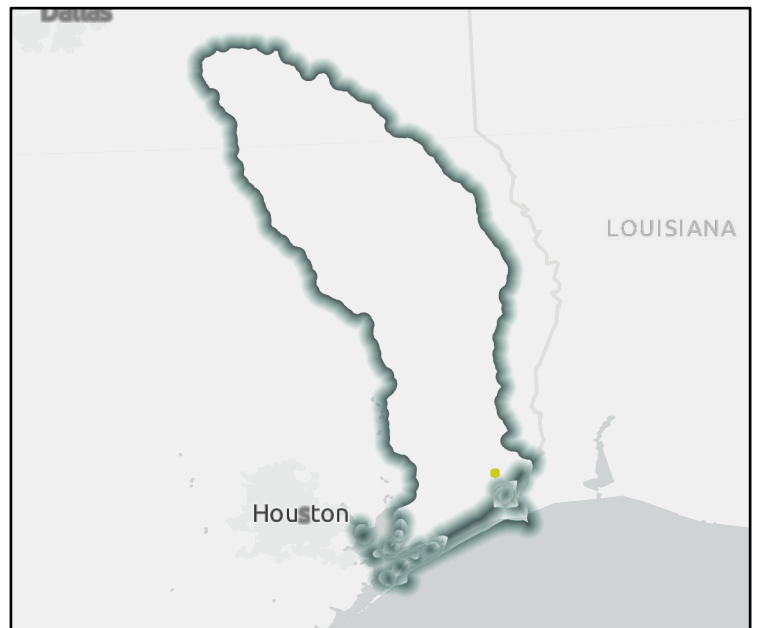
Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** No   **Other?** No

Farm/Ranch land impacted (ac.) 10   **Roadways impacted (miles)** 6

# of low water crossings 2   **# of historical road closures** 2

Estimated Cost and Funding Availability

Total Cost $300,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** _
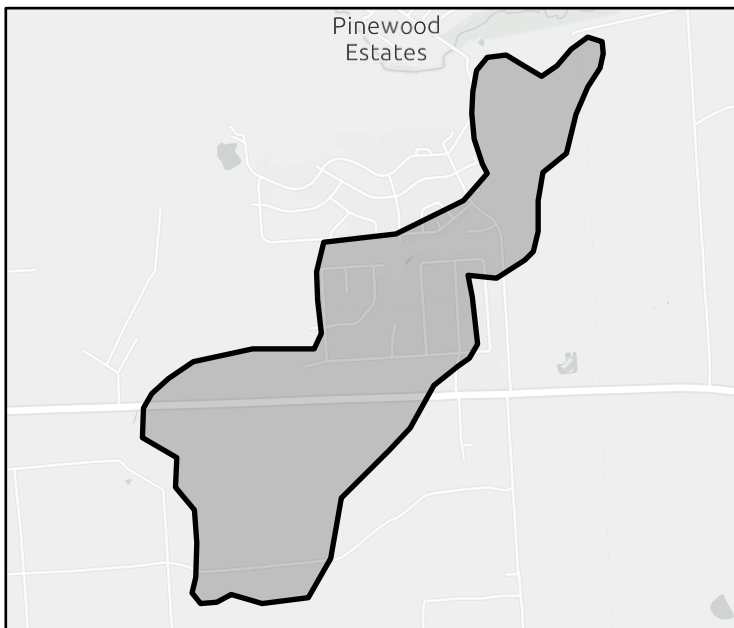
FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Hardin County Municipal Storm Drain Project

ID# 051000093   **Sponsor** Hardin (County)

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning   **County** Jefferson, Hardin

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design.

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** Yes   **Drainage area (sq. mi., est.)** 128

Goal(s)
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 7,462   **# of structures** 3,487   **# of critical facilities** 8

Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** No   **Other?** Yes

Farm/Ranch land impacted (ac.) 395   **Roadways impacted (miles)** 75

# of low water crossings 5   **# of historical road closures** 5

Estimated Cost and Funding Availability

Total Cost $2,000,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Coffee City Flood-prone Roadway and Infrastructure Evaluation

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

ID# 051000094   **Sponsor** Coffee City (Municipality)

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning   **County** Henderson

Study description Locate roadways and properties prone to flooding due to heavy rainfall

FME to create new H&H model? No   **Emergency Need?** No   **Anticipated models in near term?** No   **Drainage area (sq. mi., est.)** 7

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

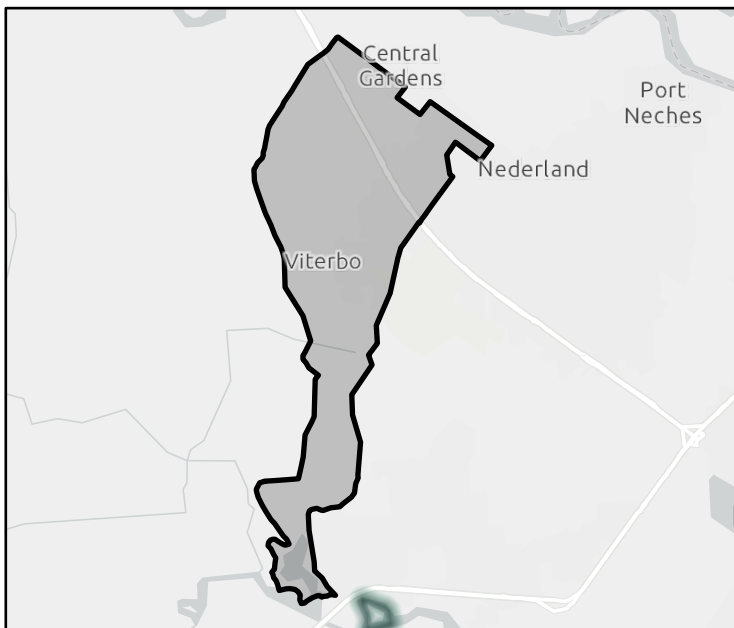**Population at risk** 6   **# of structures** 4   **# of critical facilities** 0

Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** Yes   **Other?** Yes

Farm/Ranch land impacted (ac.) 3   **Roadways impacted (miles)** 1

# of low water crossings 0   **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $25,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Moore Station Flood-prone Roadway and Infrastructure Evaluation

ID# 051000095   **Sponsor** Moore Station (Municipality)

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning   **County** Henderson

Study description Locate roadways and properties prone to flooding due to heavy rainfall

FME to create new H&H model? No   **Emergency Need?** No   **Anticipated models in near term?** No   **Drainage area (sq. mi., est.)** 1

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 5   **# of structures** 2   **# of critical facilities** 0

Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** Yes   **Other?** No

Farm/Ranch land impacted (ac.) 0   **Roadways impacted (miles)** 0

# of low water crossings 0   **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $25,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title Houston County Earthen Dike Construction

ID# 051000096   Sponsor Houston (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Houston

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of an earthen dike to elevate emergency vehicle access road to critical facilities to provide protection to the 500-year flood level.

FME to create new H&H model? Yes   Emergency Need? No   Anticipated models in near term? No   Drainage area (sq. mi., est.) 418

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 16   # of structures 17   # of critical facilities 0
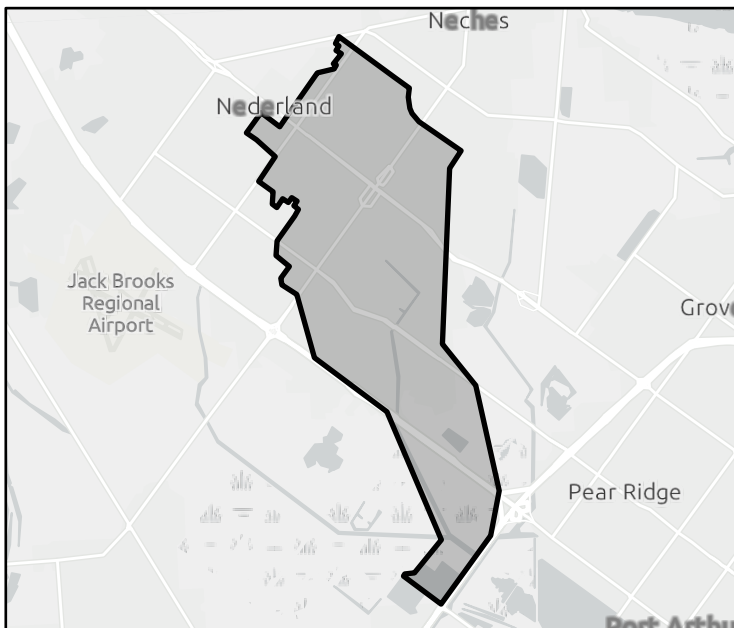
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? Yes

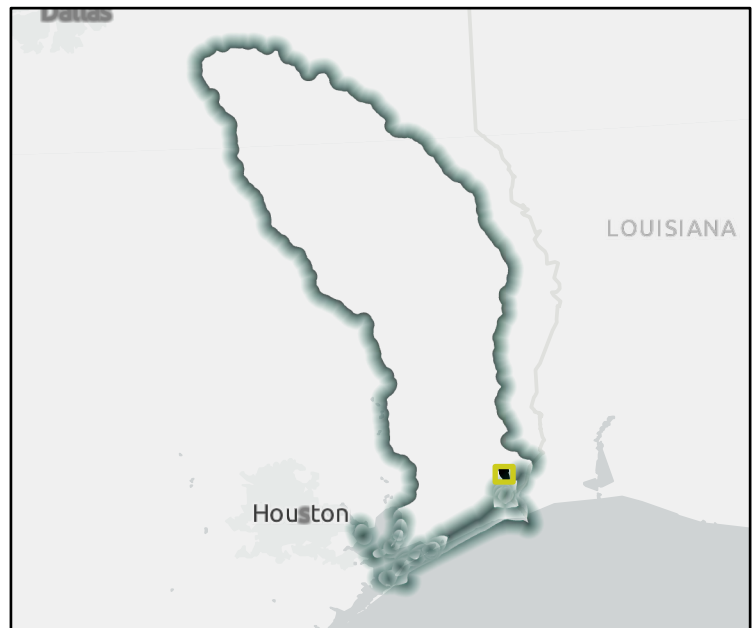Farm/Ranch land impacted (ac.) 117   Roadways impacted (miles) 20

# of low water crossings 7   # of historical road closures 7

Estimated Cost and Funding Availability

Total Cost $16,972   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title   Ditch 100 A (East Caldwood) Improvements

ID# 051000097   Sponsor Jefferson County Drainage District 6

Recommended by RFPG? Yes   Reason for Recommendation   Complies with RFPG Goals

Study Details

Study type   Project Planning   County Jefferson

Study description   Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of 2,200 ft of channel to be retrofitted with an underground culvert to allow for shaping and resizing the ditch to allow for continued maintenance.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 146

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 8,660   # of structures 2,893   # of critical facilities 22
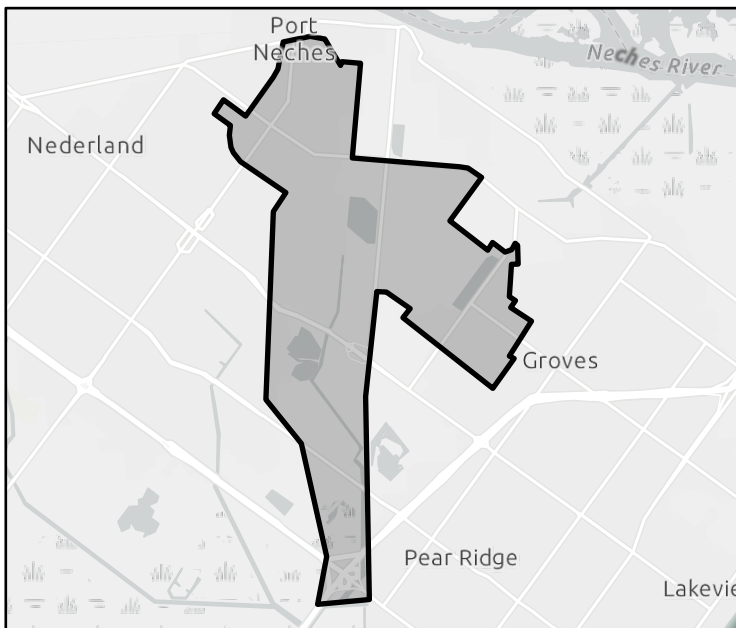
Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

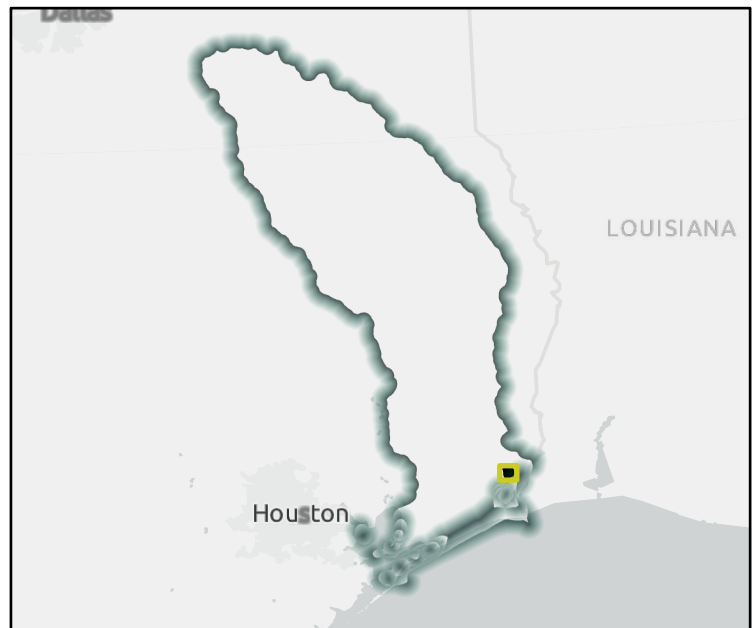Farm/Ranch land impacted (ac.) 4,386   Roadways impacted (miles) 70

# of low water crossings 5   # of historical road closures 5

Estimated Cost and Funding Availability

Total Cost $75,000   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Ditch 119 Crossings at Yount and Edson

ID# 051000098   Sponsor Jefferson County Drainage District 6

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of crossing improvements that will protect about 50 homes and mitigate flood risk on a historically flood prone road.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 146

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 8,660   # of structures 2,893   # of critical facilities 22

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 4,386   Roadways impacted (miles) 70

# of low water crossings 5   # of historical road closures 5

Estimated Cost and Funding Availability

Total Cost $50,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Lateral B4A and B4A Ext. Improvements

ID# 051000099   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the runoff capacity – upgrading/enlarging road crossings to reduce out of bank flooding.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 324

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

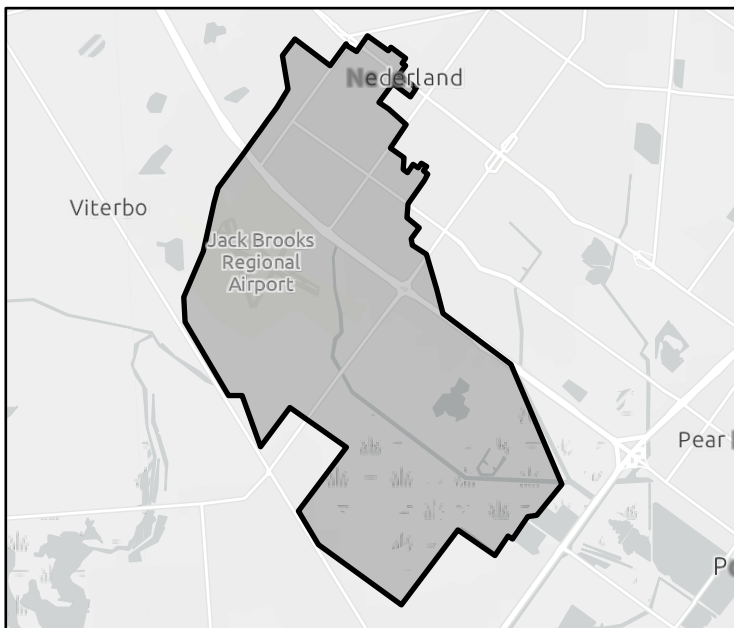Population at risk 12,745   # of structures 5,013   # of critical facilities 83

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 9,044   Roadways impacted (miles) 160

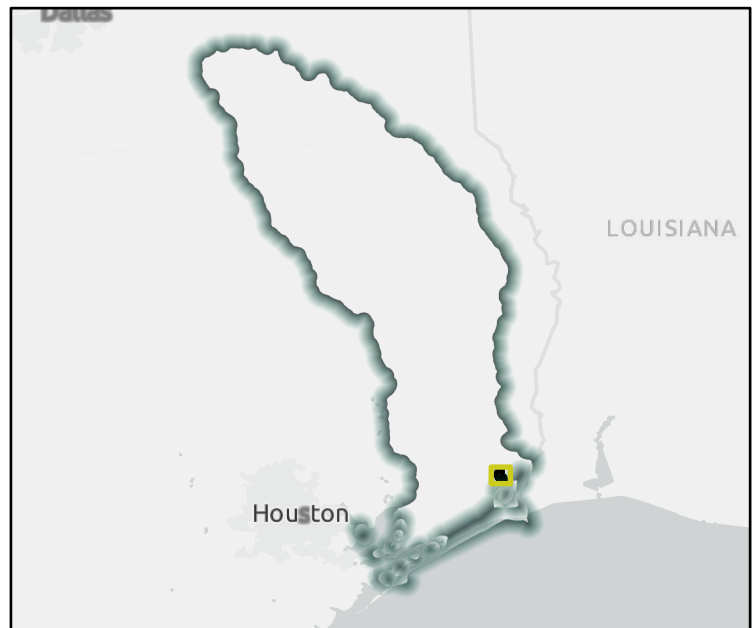# of low water crossings 3   # of historical road closures 3

Estimated Cost and Funding Availability

Total Cost $225,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Rodair Pump Station

ID# 051000100   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 324

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 12,745   # of structures 5,013   # of critical facilities 83
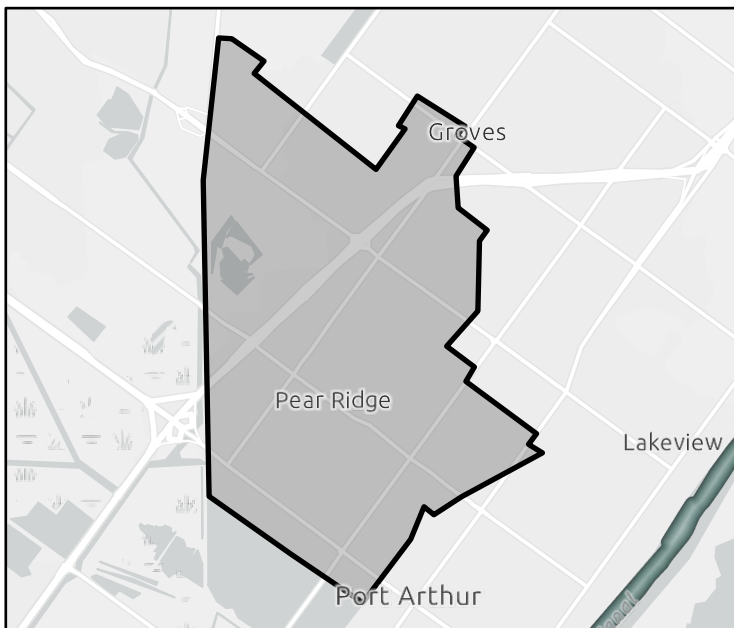
Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

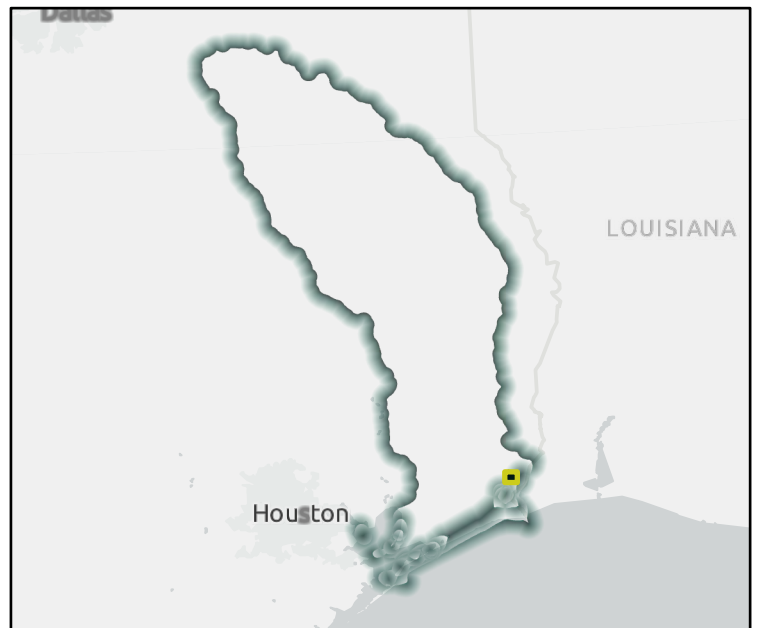Farm/Ranch land impacted (ac.) 9,044   Roadways impacted (miles) 160

# of low water crossings 3   # of historical road closures 3

Estimated Cost and Funding Availability

Total Cost $2,000,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title Upgrade to Lateral B4B

ID# 051000101 **Sponsor** Jefferson County Drainage District 7

Recommended by RFPG? Yes **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning **County** Jefferson

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the runoff capacity – upgrading/enlarging road crossings to reduce out of bank flooding.

FME to create new H&H model? Yes **Emergency Need?** Yes **Anticipated models in near term?** Yes **Drainage area (sq. mi., est.)** 324

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 12,745 **# of structures** 5,013 **# of critical facilities** 83
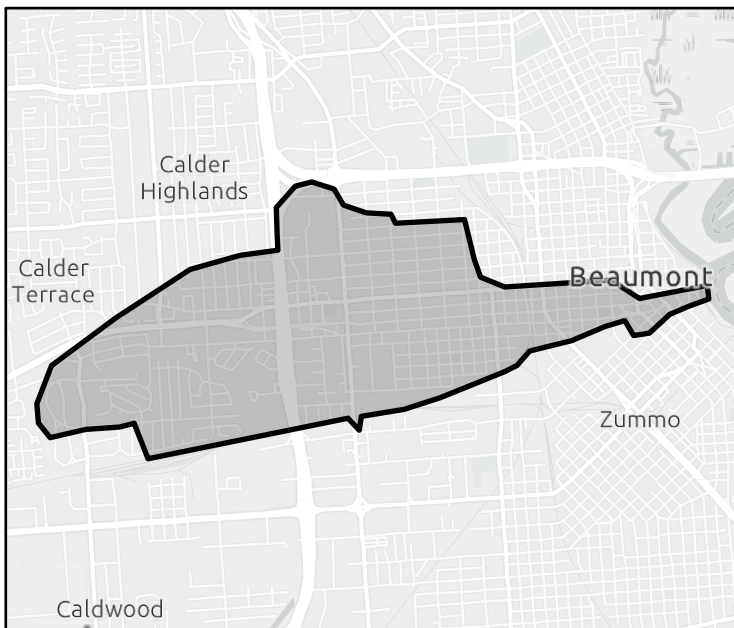
Flood risk type: Riverine? Yes **Coastal?** Yes **Local Flooding?** No **Other?** Yes

Farm/Ranch land impacted (ac.) 9,044 **Roadways impacted (miles)** 160

# of low water crossings 3 **# of historical road closures** 3

Estimated Cost and Funding Availability

Total Cost $50,000 **Potential federal funding availability?** Yes **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Beauxart Gardens Central Ditch Improvements

ID# 051000102   **Sponsor** Jefferson County Drainage District 7

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

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Study Details

Study type Project Planning   **County** Jefferson

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the runoff capacity – upgrading/enlarging road crossings to reduce out of bank flooding.

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** Yes   **Drainage area (sq. mi., est.)** 1

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary
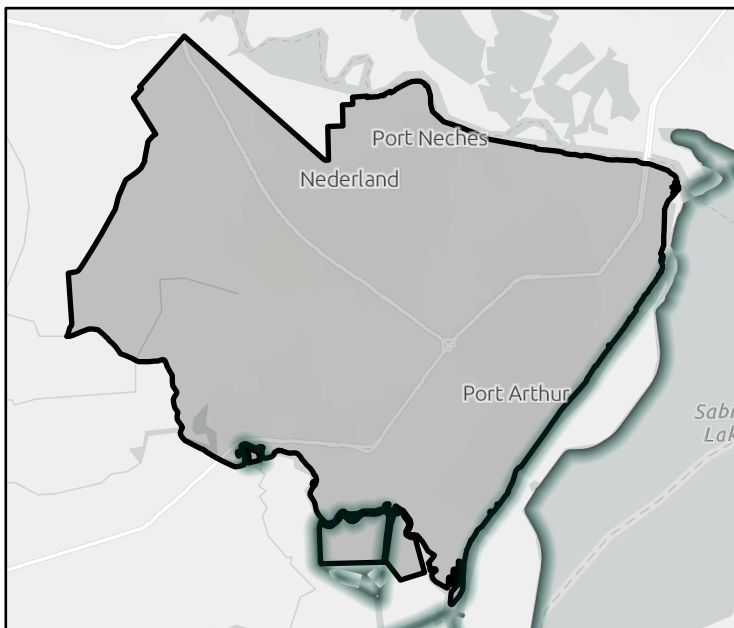
Population at risk 277   **# of structures** 226   **# of critical facilities** 0

Flood risk type: Riverine? Yes   **Coastal?** No   **Local Flooding?** No   **Other?** Yes

Farm/Ranch land impacted (ac.) 10   **Roadways impacted (miles)** 2

# of low water crossings 0   **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $50,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Region 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title | Houston Upgrade Pumping Equipment

ID# 051000103   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation | Complies with RFPG Goals

Study Details

Study type | Project Planning   County Jefferson

Study description | H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 0

Goal(s) | Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

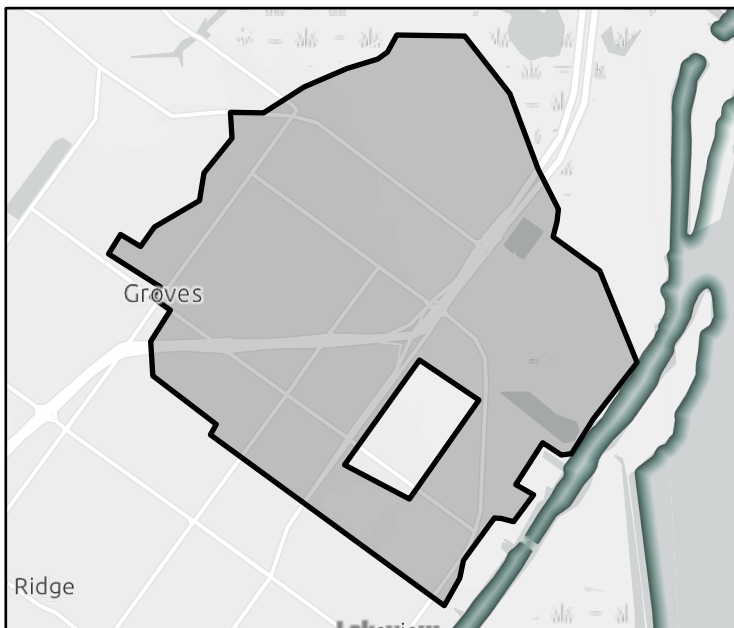Population at risk 0   # of structures 0   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

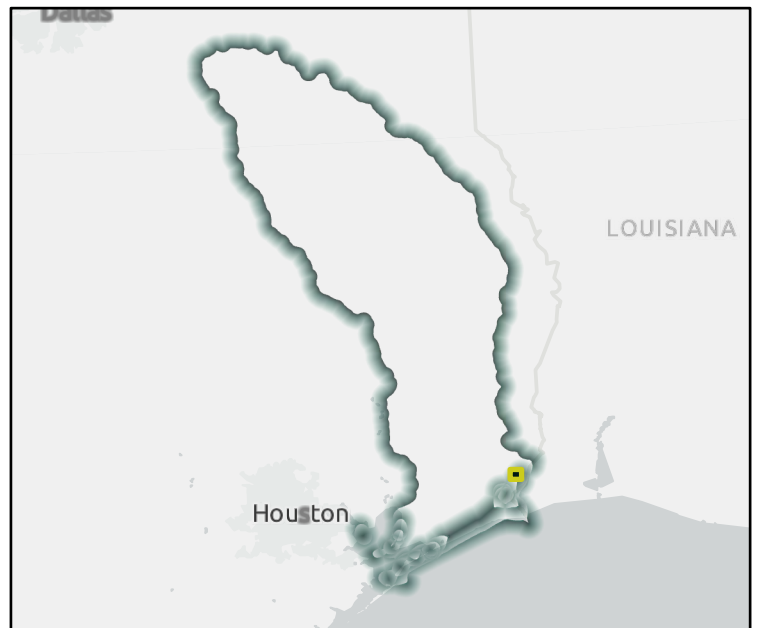Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $250,000   Potential federal funding availability? Yes   Potential Federal Funding Sources <Null>

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

Title Grannis Upgrade Pumping Equipment

ID# 051000104   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 0

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 95   # of structures 1   # of critical facilities 0
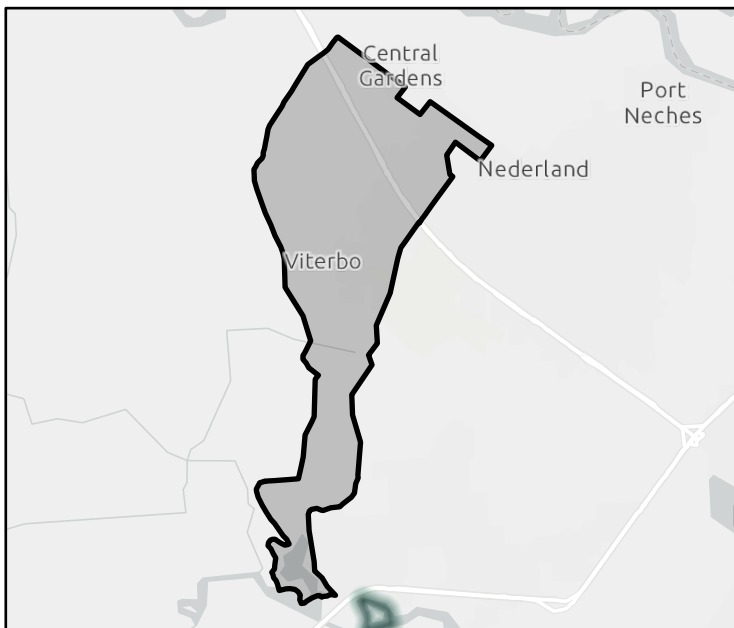
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

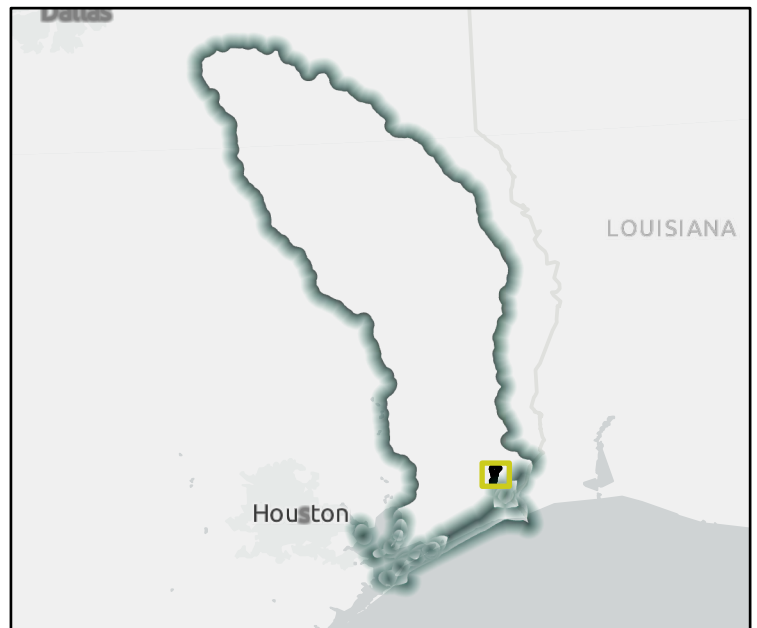Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources <Null>

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Foley Upgrade Pumping Equipment

ID# 051000105   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 1

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 0   # of structures 0   # of critical facilities 0

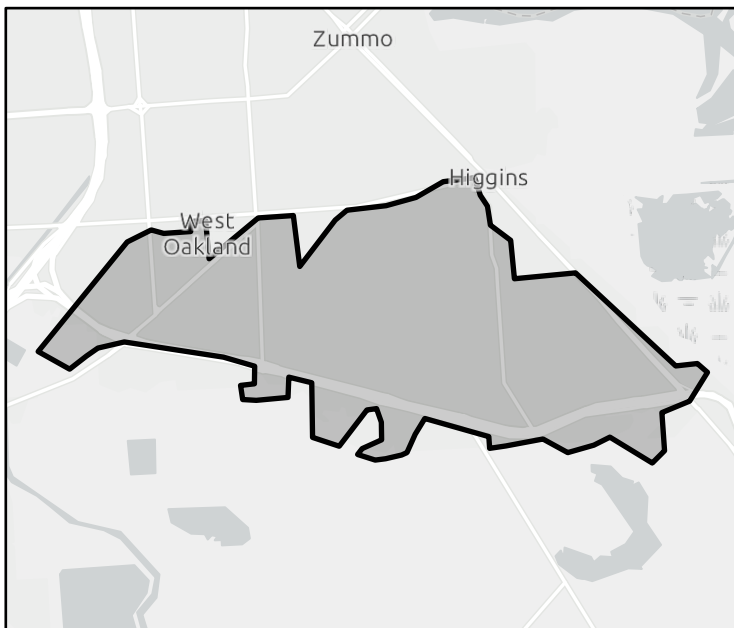Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

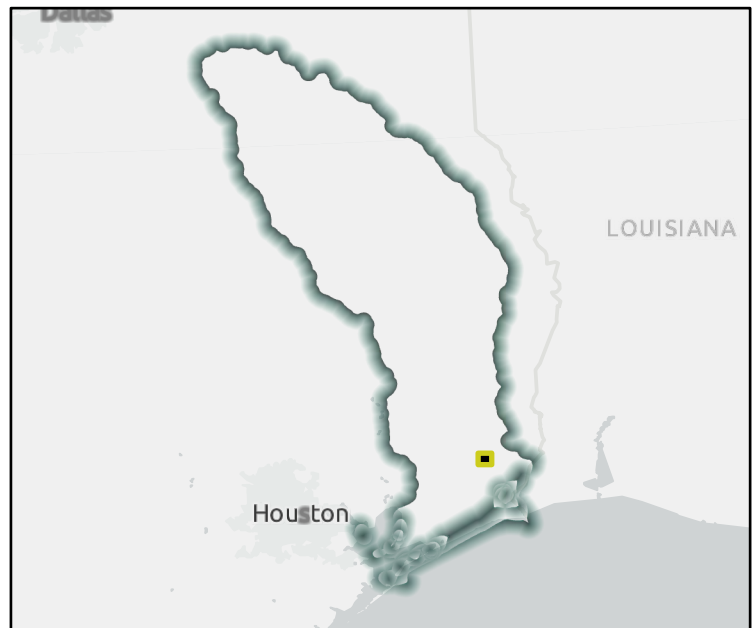Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources <Null>

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title Lakeside Upgrade Pumping Equipment

ID# 051000106   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 5

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 387   # of structures 207   # of critical facilities 0

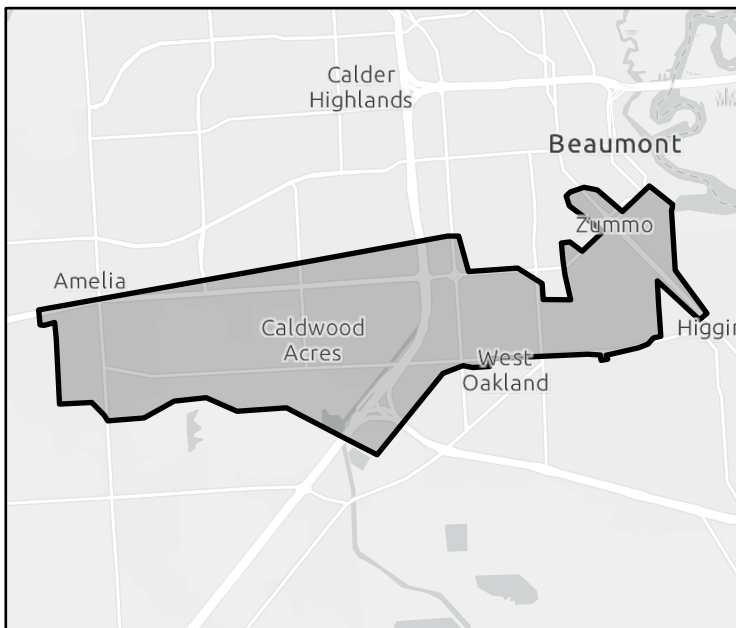Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

Farm/Ranch land impacted (ac.) 3   Roadways impacted (miles) 3

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources <Null>

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Rodair Upgrade Pumping Equipment

ID# 051000107   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 12

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 981   # of structures 511   # of critical facilities 0

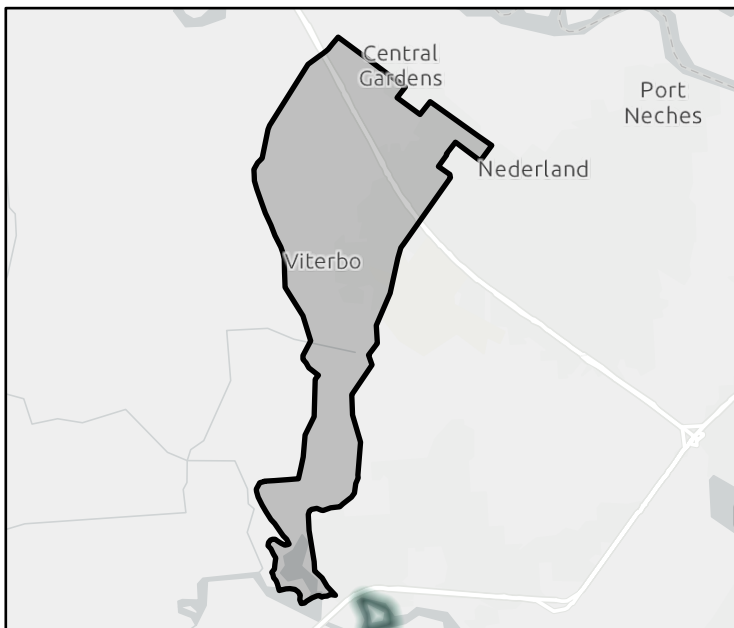Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

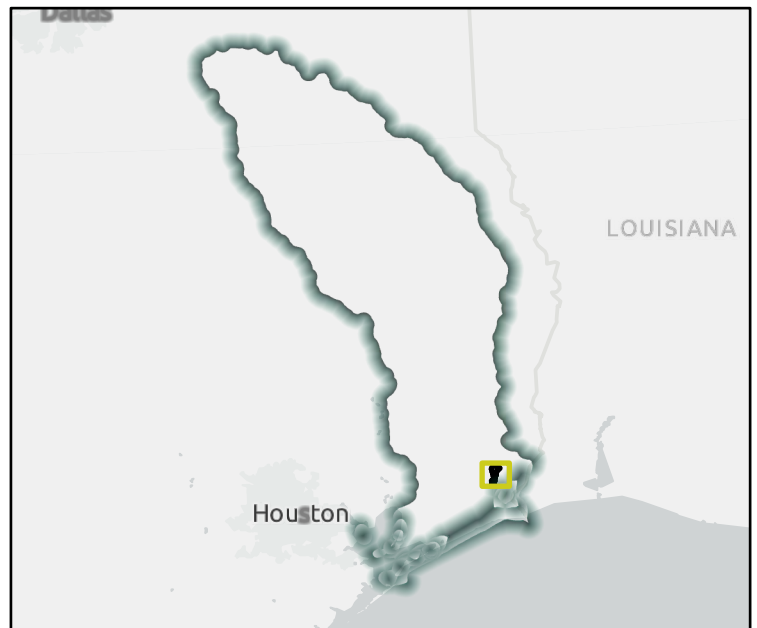Farm/Ranch land impacted (ac.) 64   Roadways impacted (miles) 10

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources <Null>

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title   9th Avenue - Upgrade Pumping Equipment

ID#   051000108   Sponsor   Jefferson County Drainage District 7

Recommended by RFPG?   Yes   Reason for Recommendation   Complies with RFPG Goals

Study Details

Study type   Project Planning   County   Jefferson

Study description   H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model?   Yes   Emergency Need?   Yes   Anticipated models in near term?   No   Drainage area (sq. mi., est.)   6

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk   528   # of structures   36   # of critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local Flooding?   No   Other?   Yes

Farm/Ranch land impacted (ac.)   1   Roadways impacted (miles)   2

# of low water crossings   0   # of historical road closures   0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability?   Yes   Potential Federal Funding Sources   <Null>

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Halbouty Add two pumps (open spots in structure)

ID# 051000109   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 12

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

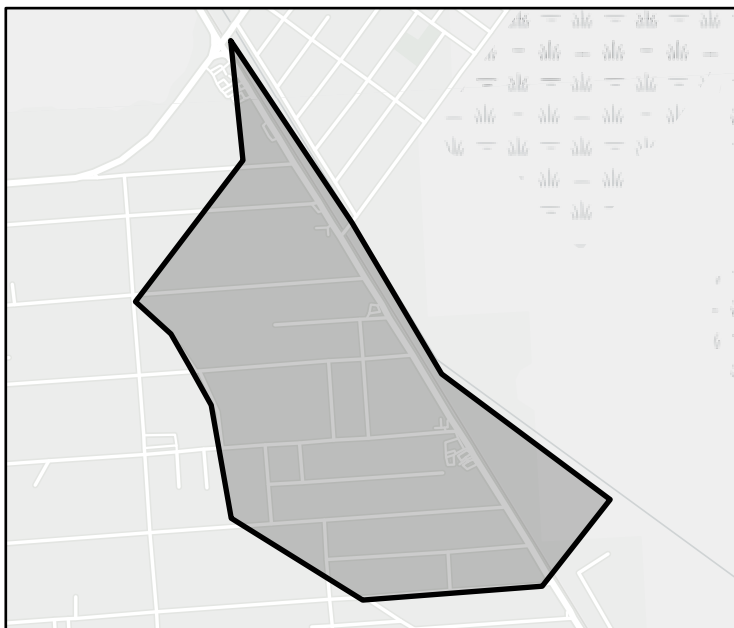Population at risk 1,008   # of structures 251   # of critical facilities 33

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

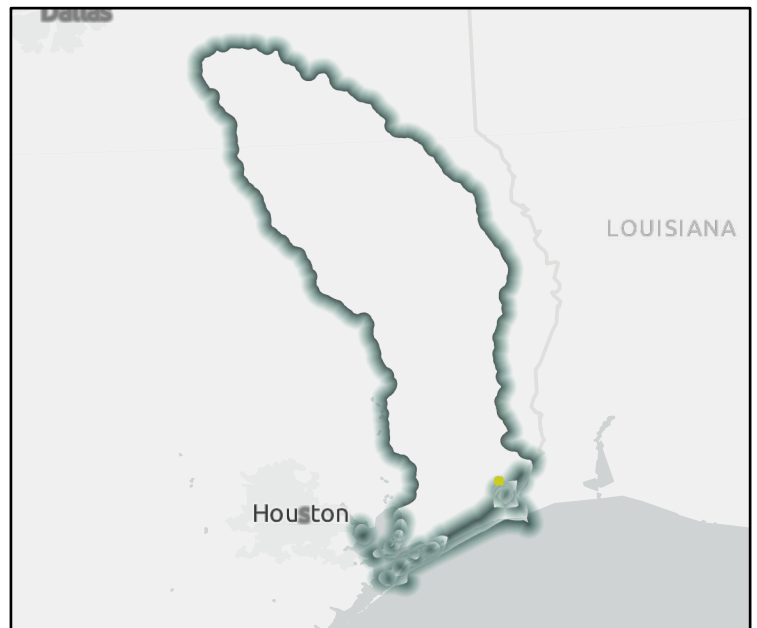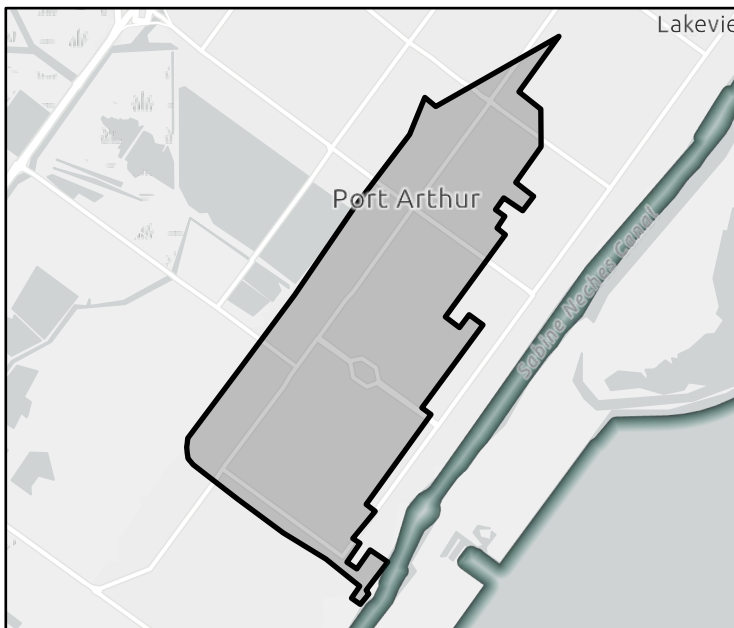Farm/Ranch land impacted (ac.) 164   Roadways impacted (miles) 7
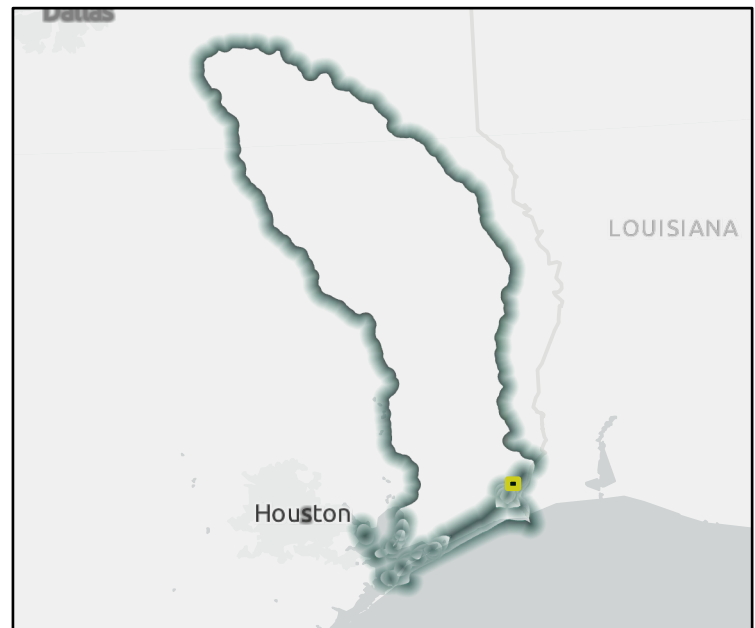
# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources <Null>

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Rodair Upper Build new station with associated levee

ID# 051000110   **Sponsor** Jefferson County Drainage District 7

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning   **County** Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** No   **Drainage area (sq. mi., est.)** 12

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 981   **# of structures** 511   **# of critical facilities** 0

Flood risk type: Riverine? Yes   **Coastal?** Yes   **Local Flooding?** No   **Other?** Yes

Farm/Ranch land impacted (ac.) 64   **Roadways impacted (miles)** 10

# of low water crossings 0   **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $100,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** <Null>

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Main C Diversion - Build New Pump Station and Channel

ID# 051000111   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 13

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 1,008   # of structures 251   # of critical facilities 33
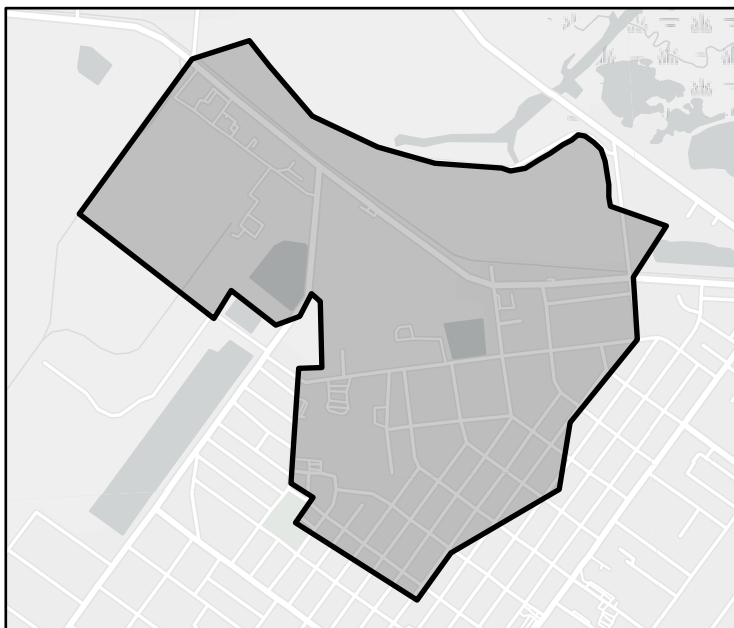
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

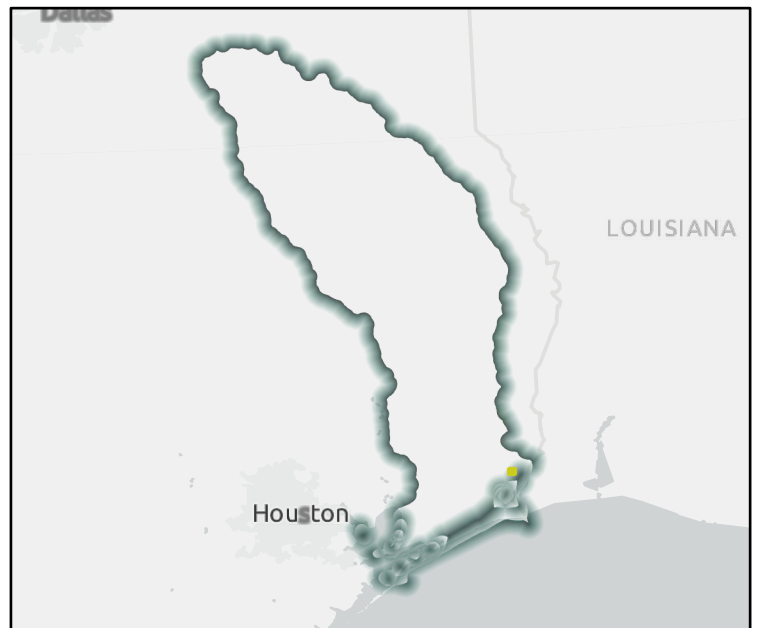Farm/Ranch land impacted (ac.) 164   Roadways impacted (miles) 7

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title: Upper Johns Gulley Upgrade Drainage Channel

ID# 051000112 Sponsor: Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Project Planning   County: Jefferson

Study description: H&H study to identify alternatives for Upper Johns Gulley drainage improvements

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 8

Goal(s): Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 0   # of structures: 0   # of critical facilities: 0
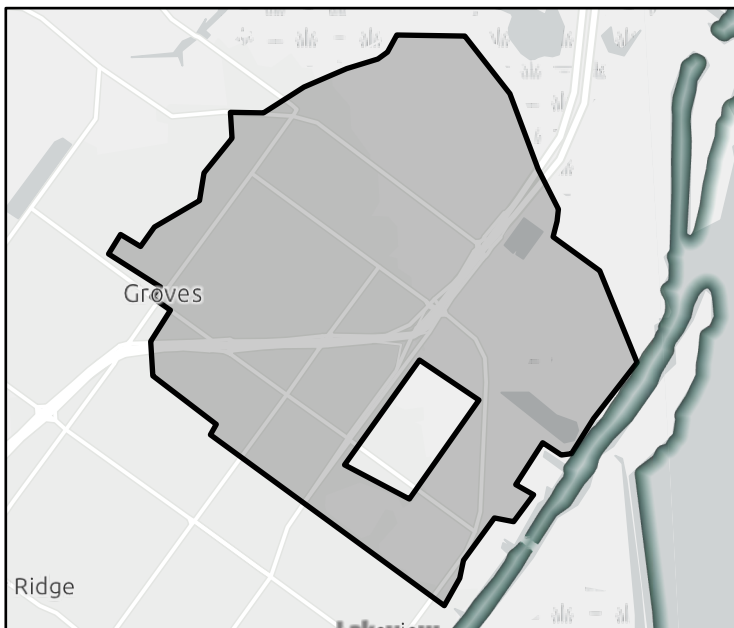
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

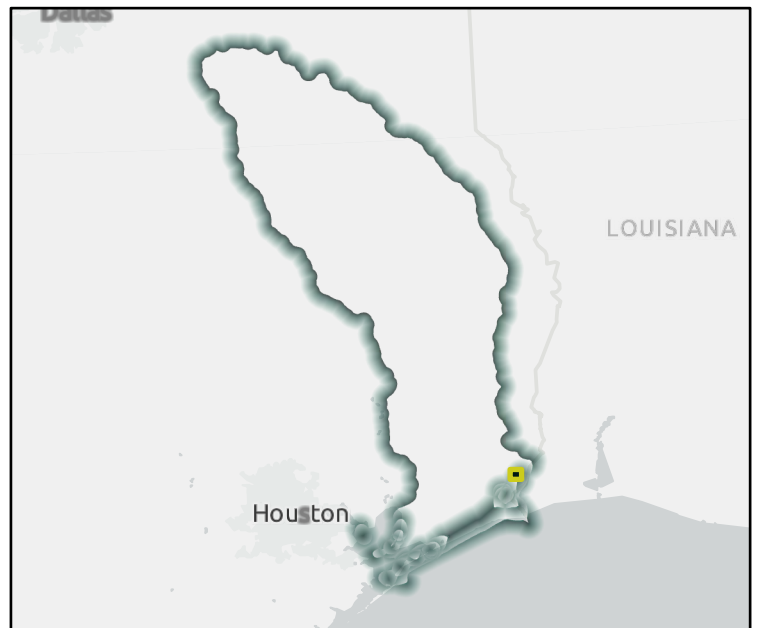Farm/Ranch land impacted (ac.): 477   Roadways impacted (miles): 1

# of low water crossings: 0   # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources: -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Central Gardens Ditch - Upgrade Drainage Channel

ID# 051000113   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to identify alternatives for Central Gardens Ditch

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 1

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

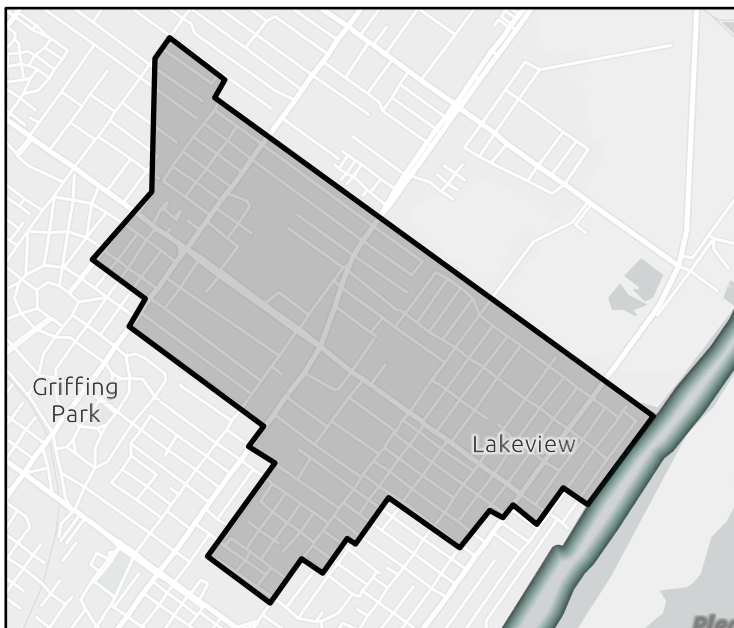Population at risk 150   # of structures 80   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

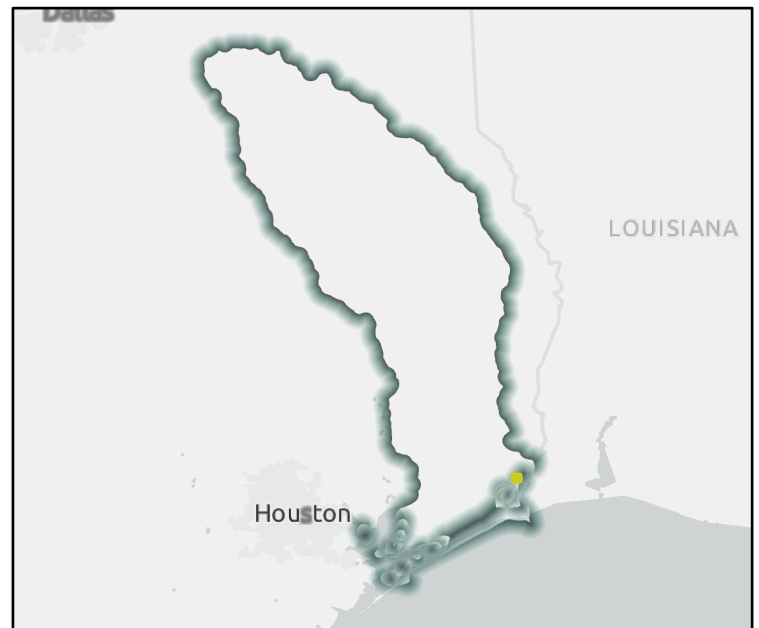Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 1

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

Title Pure Oil Ditch Improvements

ID# 051000114 Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning County Jefferson

Study description H&H study to identify alternatives for Pure Oil Ditch

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 2

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

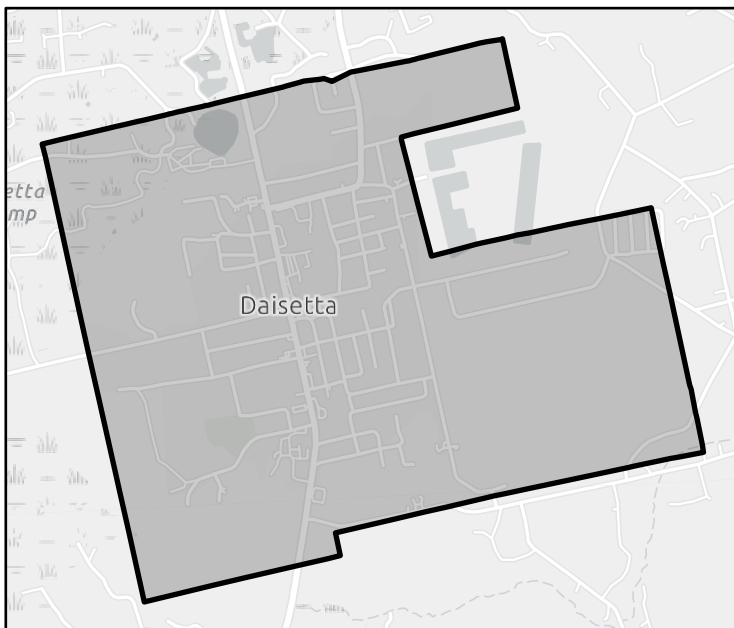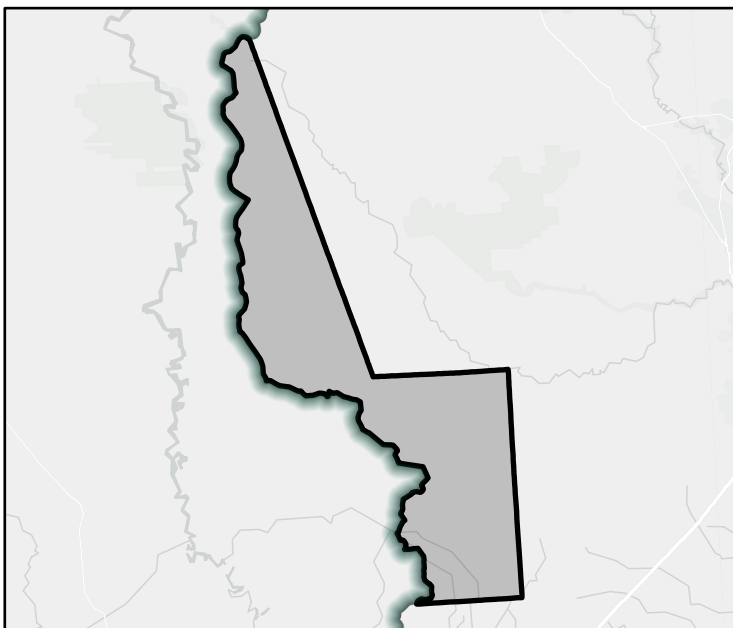Population at risk 33 # of structures 6 # of critical facilities 6

Flood risk type: Riverine? Yes Coastal? Yes Local Flooding? No Other? Yes
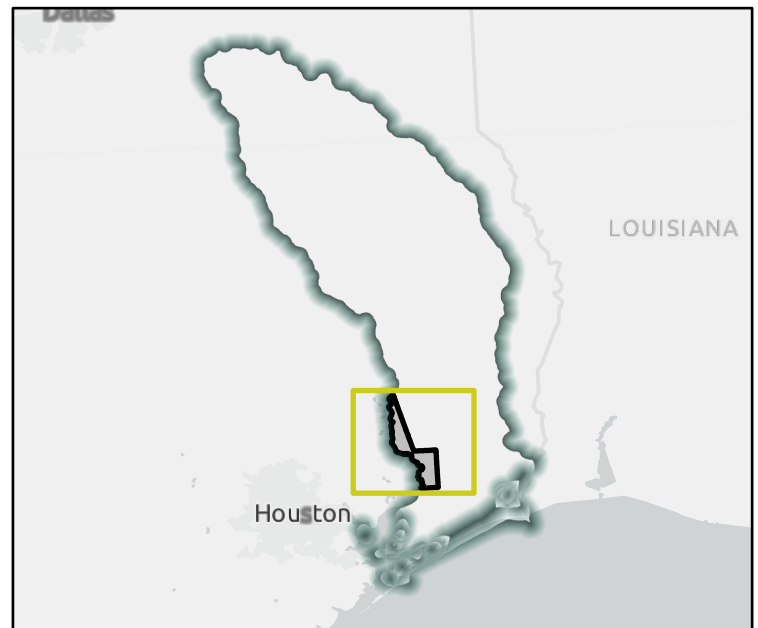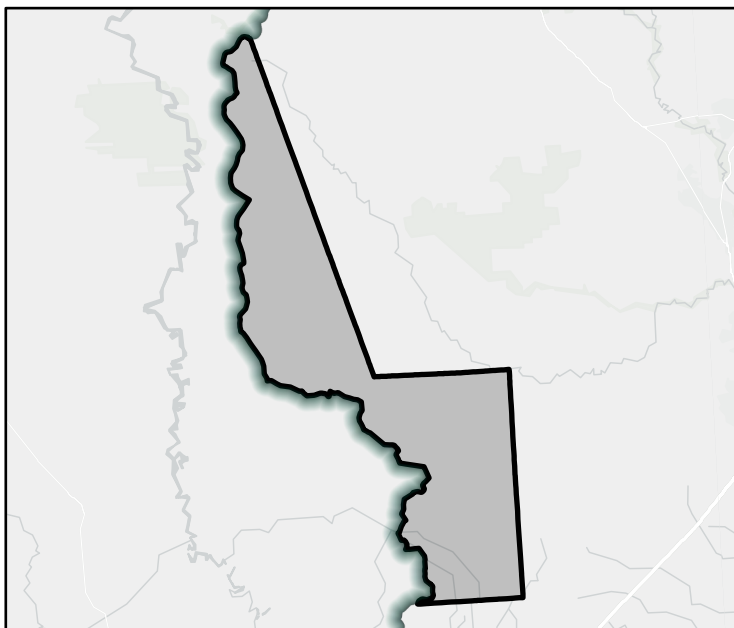
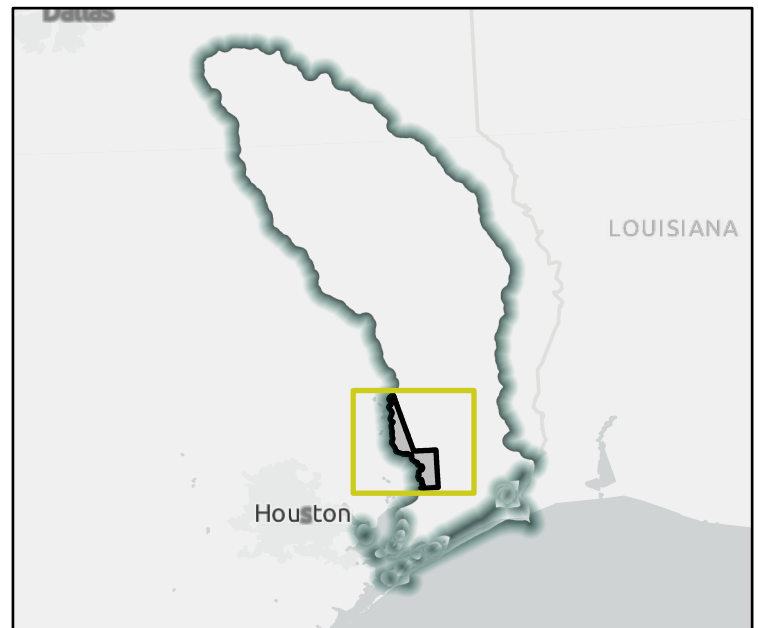Farm/Ranch land impacted (ac.) 3 Roadways impacted (miles) 0

# of low water crossings 0 # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000 Potential federal funding availability? Yes Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Rodair Gulley Ditch Improvements

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

ID# 051000115 **Sponsor** Jefferson County Drainage District 7

Recommended by RFPG? Yes **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning **County** Jefferson

Study description H&H study to identify alternatives for Rodair Gulley

FME to create new H&H model? Yes **Emergency Need?** Yes **Anticipated models in near term?** Yes **Drainage area (sq. mi., est.)** 12

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 981 **# of structures** 511 **# of critical facilities** 0

Flood risk type: Riverine? Yes **Coastal?** Yes **Local Flooding?** No **Other?** Yes

Farm/Ranch land impacted (ac.) 64 **Roadways impacted (miles)** 10

# of low water crossings 0 **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $100,000 **Potential federal funding availability?** Yes **Potential Federal Funding Sources** _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Main C Diversion Channel Improvements

ID# 051000116 Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning County Jefferson

Study description H&H study to identify alternatives for Main C Diversion Channel

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? Yes Drainage area (sq. mi., est.) 13

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

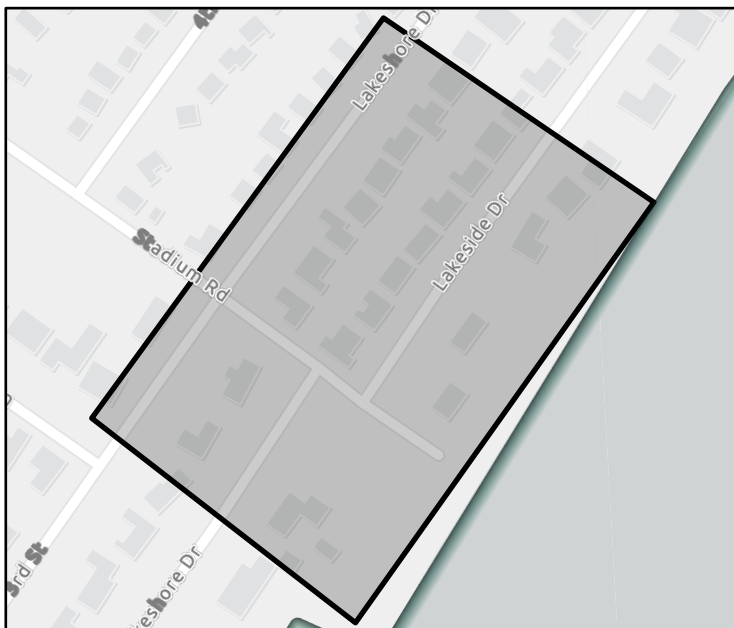Population at risk 1,008 # of structures 251 # of critical facilities 33

Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) 164 Roadways impacted (miles) 7

# of low water crossings 0 # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000 Potential federal funding availability? Yes Potential Federal Funding Sources _

FME Area

Regional view of FME area

116 of 157

Flood Management Evaluation (FME)

Title: Main B Channel Improvements

ID# 051000117   Sponsor: Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Project Planning   County: Jefferson

Study description: H&H study to identify alternatives for Main B Channel

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 6

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk: 4,603   # of structures: 876   # of critical facilities: 17

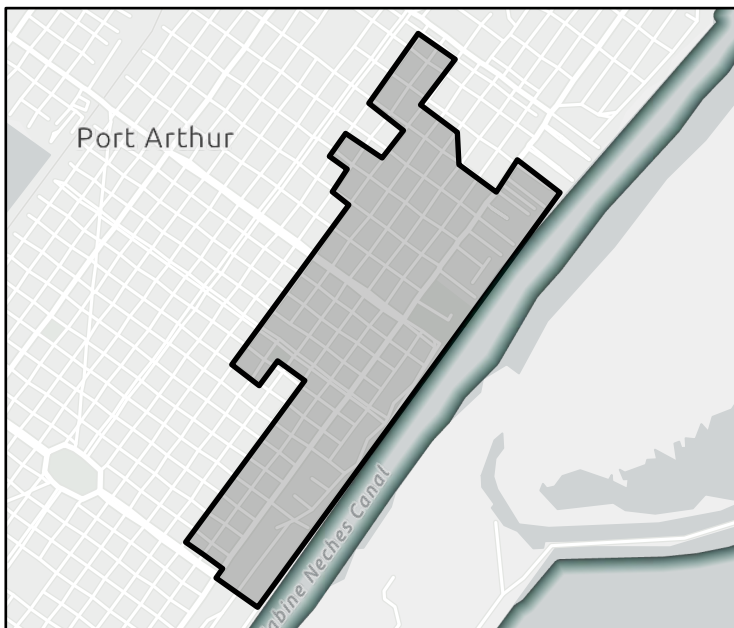Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.): 8   Roadways impacted (miles): 19

# of low water crossings: 0   # of historical road closures: 0

Estimated Cost and Funding Availability

Total Cost: $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources: -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Main A Channel Improvements

ID# 051000118   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to identify alternatives for Main A Channel

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 6

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 822   # of structures 147   # of critical facilities 2

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

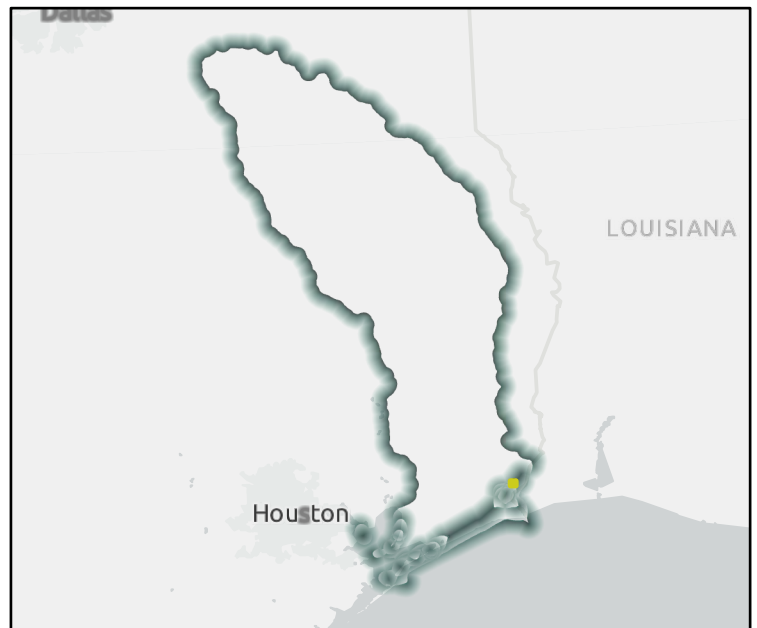Farm/Ranch land impacted (ac.) 4   Roadways impacted (miles) 3

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Rodair Lateral 5 Detention Pond Excavation

ID# 051000119 Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning County Jefferson

Study description H&H study to identify additional detention required to expand existing level of service

FME to create new H&H model? Yes Emergency Need? Yes Anticipated models in near term? No Drainage area (sq. mi., est.) 2

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 132 # of structures 29 # of critical facilities 0
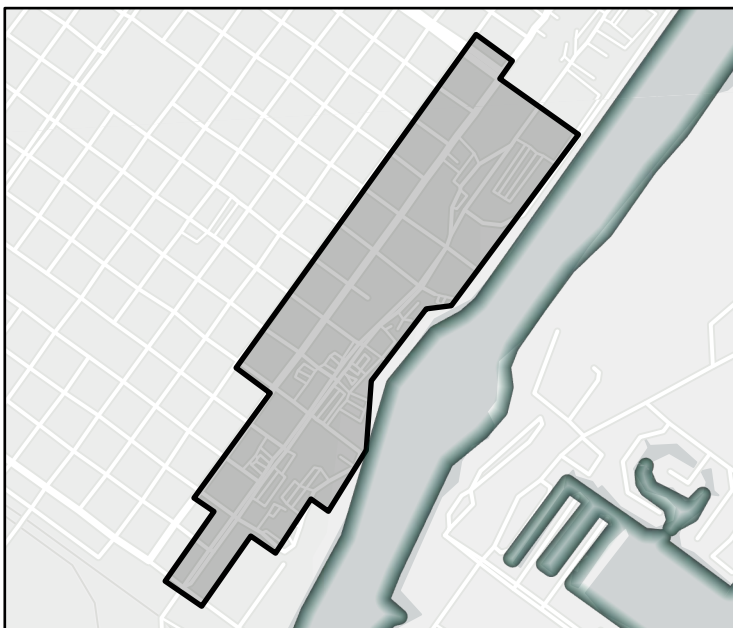
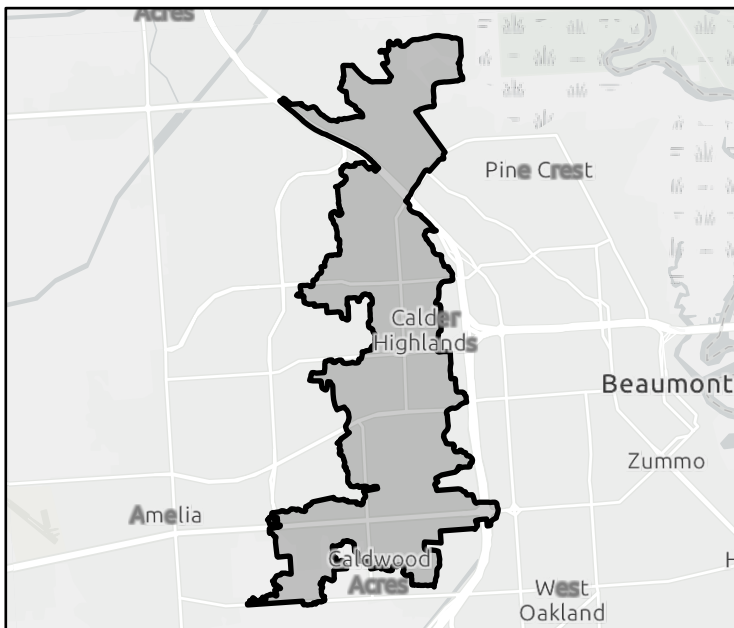Flood risk type: Riverine? Yes Coastal? No Local Flooding? No Other? Yes

Farm/Ranch land impacted (ac.) 6 Roadways impacted (miles) 1
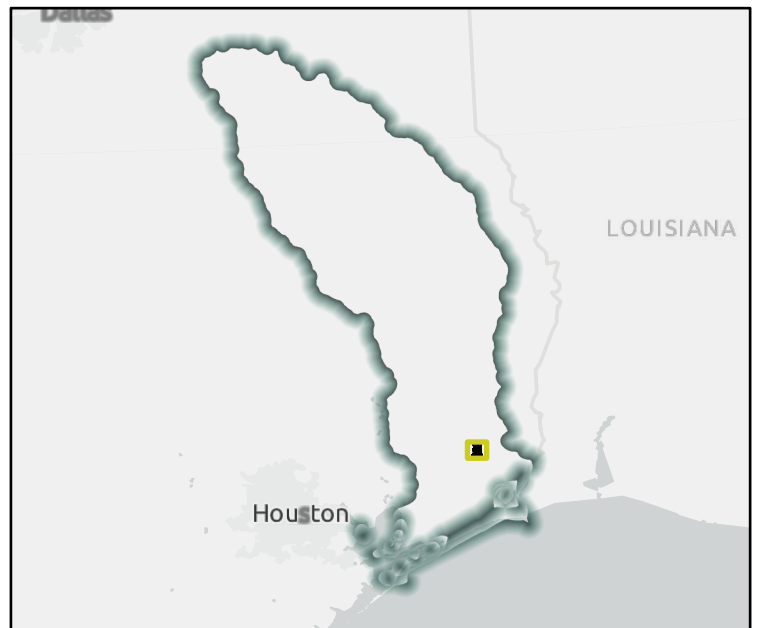
# of low water crossings 0 # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000 Potential federal funding availability? Yes Potential Federal Funding Sources -
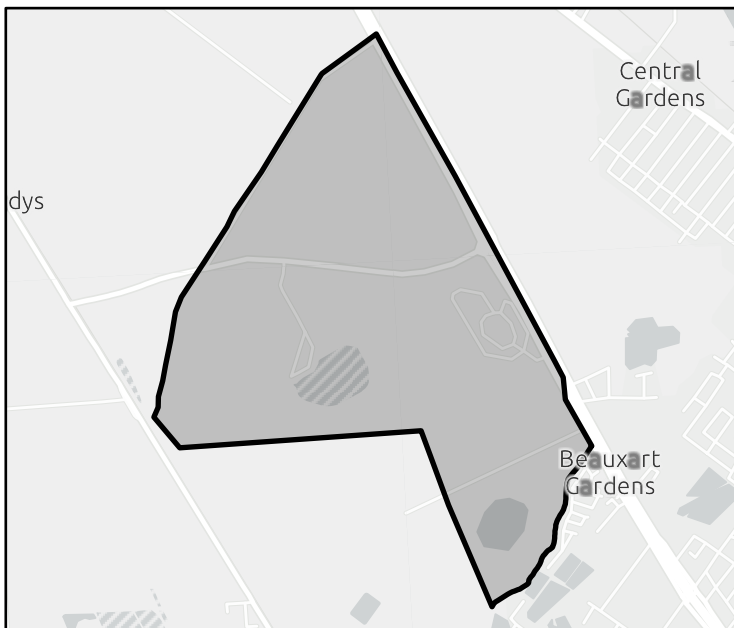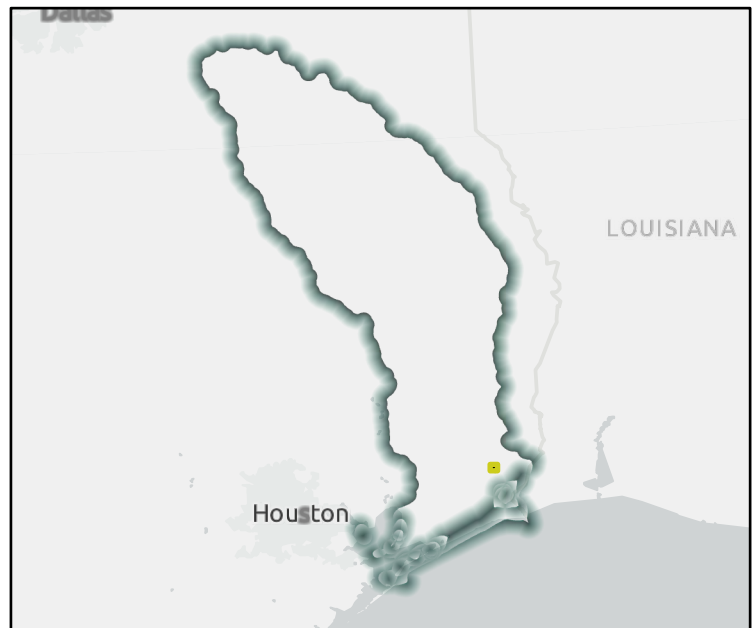
FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Halbouty Detention Pond Excavation

ID# 051000120 **Sponsor** Jefferson County Drainage District 7

Recommended by RFPG? Yes **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning **County** Jefferson

Study description H&H study to identify additional detention required to expand existing level of service

FME to create new H&H model? Yes **Emergency Need?** Yes **Anticipated models in near term?** No **Drainage area (sq. mi., est.)** 12

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 1,008 **# of structures** 251 **# of critical facilities** 33

Flood risk type: Riverine? Yes **Coastal?** No **Local Flooding?** No **Other?** Yes

Farm/Ranch land impacted (ac.) 164 **Roadways impacted (miles)** 7

# of low water crossings 0 **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $100,000 **Potential federal funding availability?** Yes **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title 9th Avenue Additional Detention Excavation

ID# 051000121   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to identify additional detention required to improve existing level of service

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 6

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 528   # of structures 36   # of critical facilities 0

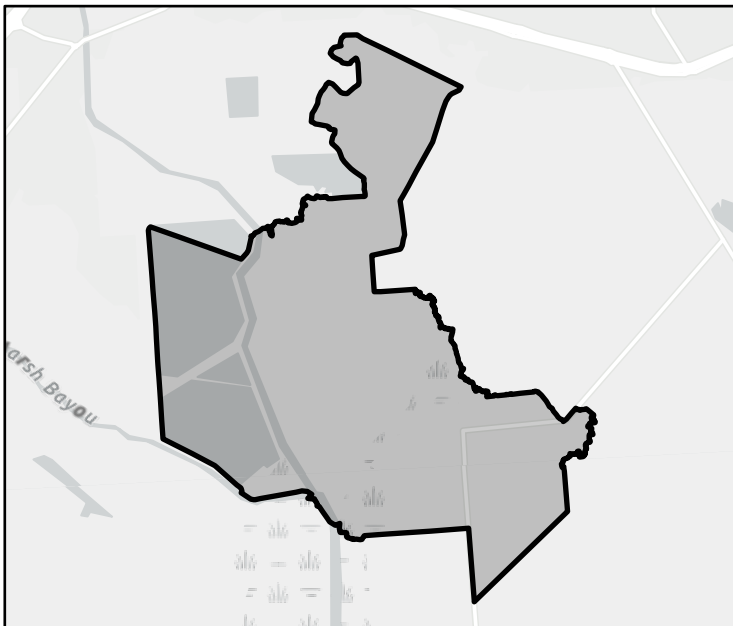Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

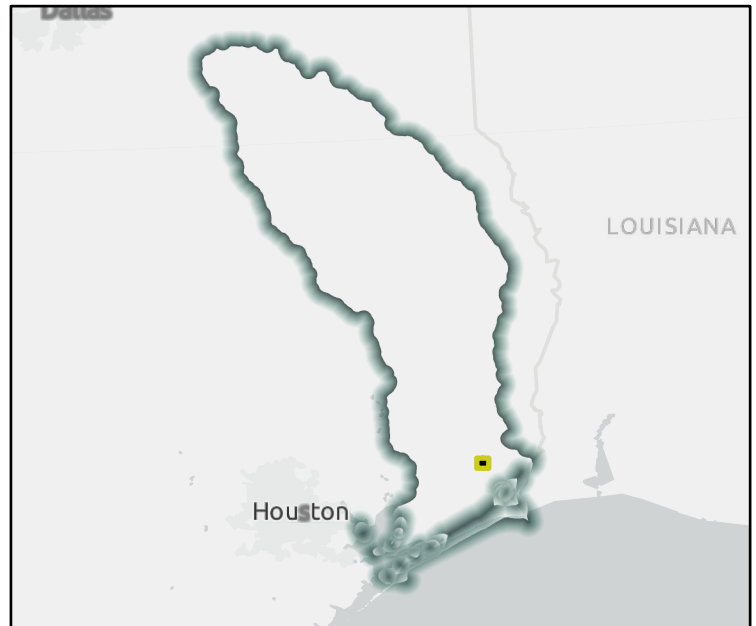Farm/Ranch land impacted (ac.) 1   Roadways impacted (miles) 2

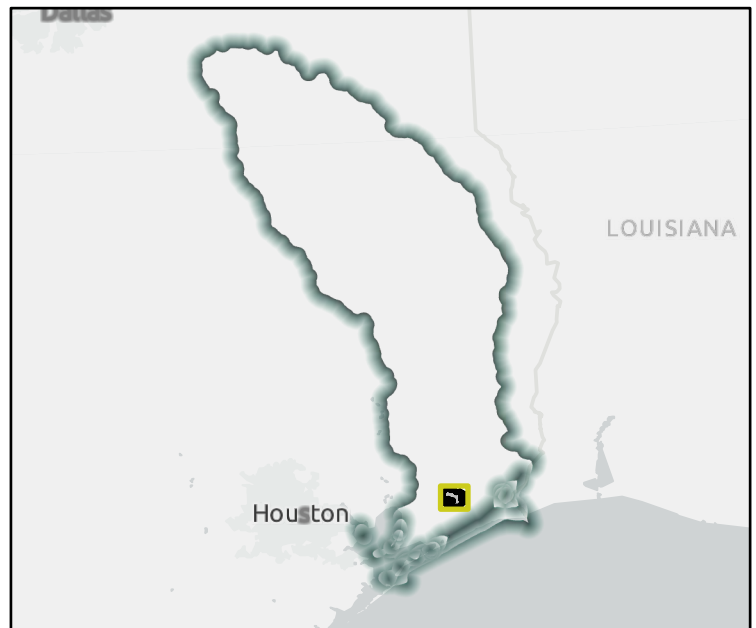# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Tevis Diversion

ID# 051000122   Sponsor Jefferson County Drainage District 6

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to identify alternatives for a diversion to the Neches River.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 3

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 1,152   # of structures 300   # of critical facilities 1

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 9

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title   JCDD7 Hurricane Flood Protection Levee Study

ID# 051000123   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type   Project Planning   County Jefferson

Study description   Study to identify possible upgrades to levees to help reduce the risk of flooding and to help the District review and update levees in jurisdictional area.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 112

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 12,671   # of structures 4,705   # of critical facilities 82
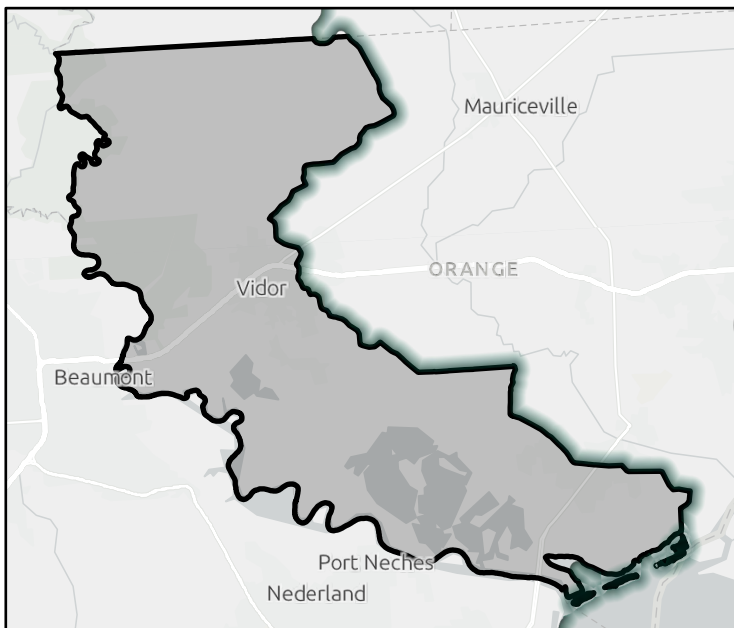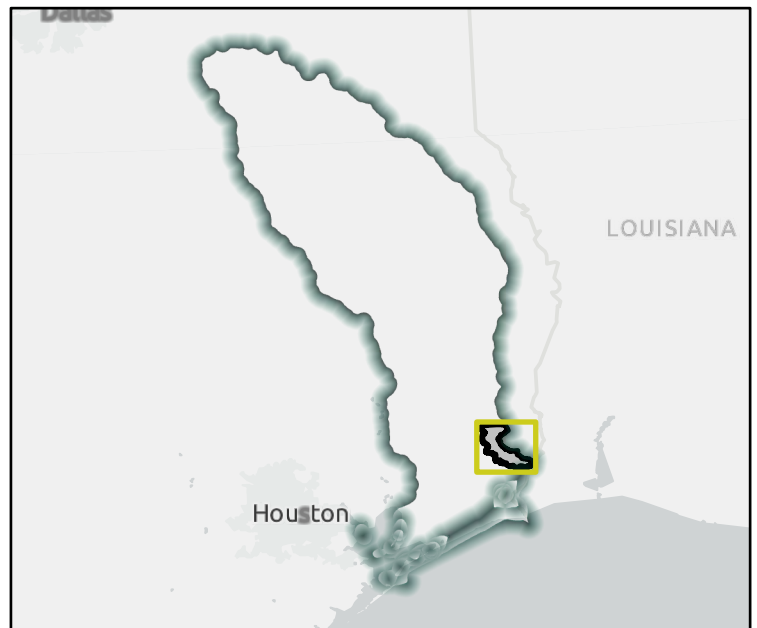
Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 876   Roadways impacted (miles) 95

# of low water crossings 3   # of historical road closures 3

Estimated Cost and Funding Availability

Total Cost $777,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

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Flood Management Evaluation (FME)

REGION 5

NECHES
REGIONAL FLOOD PLANNING GROUP

Title **Crane Bayou Channel Improvements**

ID# **051000124**   Sponsor **Jefferson County Drainage District 7**

Recommended by RFPG? **Yes**   Reason for Recommendation **Complies with RFPG Goals**

Study Details

Study type **Project Planning**   County **Jefferson**

Study description **H&H study to identify alternatives for Crane Bayou Channel**

FME to create new H&H model? **Yes**   Emergency Need? **Yes**   Anticipated models in near term? **Yes**   Drainage area (sq. mi., est.) **7**

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk **775**   # of structures **359**   # of critical facilities **3**
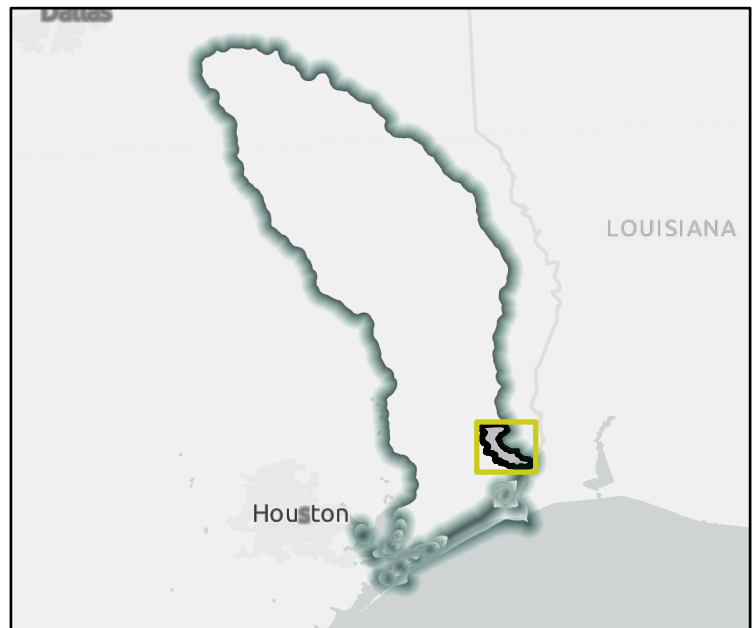
Flood risk type: Riverine? **Yes**   Coastal? **No**   Local Flooding? **No**   Other? **Yes**

Farm/Ranch land impacted (ac.) **0**   Roadways impacted (miles) **5**

# of low water crossings **0**   # of historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **$100,000**   Potential federal funding availability? **Yes**   Potential Federal Funding Sources **-**

FME Area

Regional view of FME area

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Flood Management Evaluation (FME)

Title Rodair Upper Additional Pump Station

ID# 051000125   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 12

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 981   # of structures 511   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

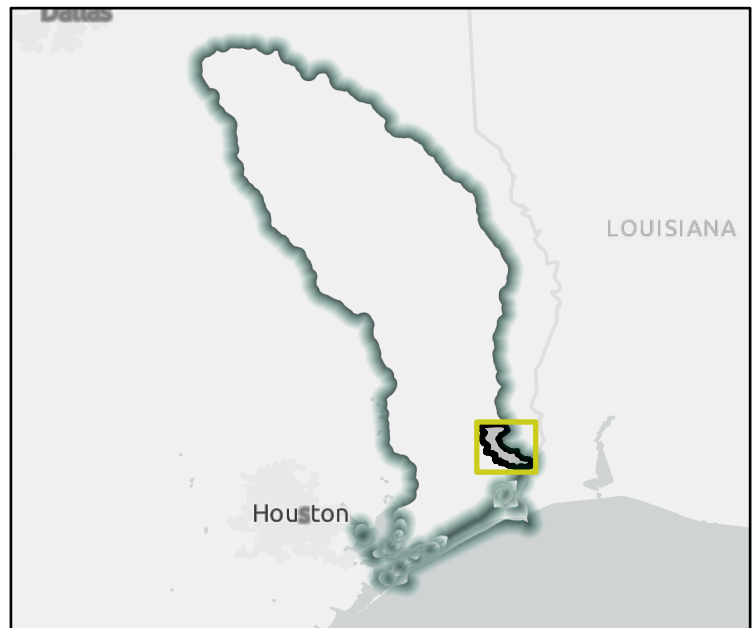Farm/Ranch land impacted (ac.) 64   Roadways impacted (miles) 10

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title   South Park Diversion

ID#   051000126   Sponsor   Jefferson County Drainage District 6

Recommended by RFPG?   Yes   Reason for Recommendation   Complies with RFPG Goals

Study Details

Study type   Project Planning   County   Jefferson

Study description   H&H study to identify alternatives for a diversion to the Neches River.

FME to create new H&H model?   Yes   Emergency Need?   Yes   Anticipated models in near term?   Yes   Drainage area (sq. mi., est.)   6

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk   259   # of structures   16   # of critical facilities   0

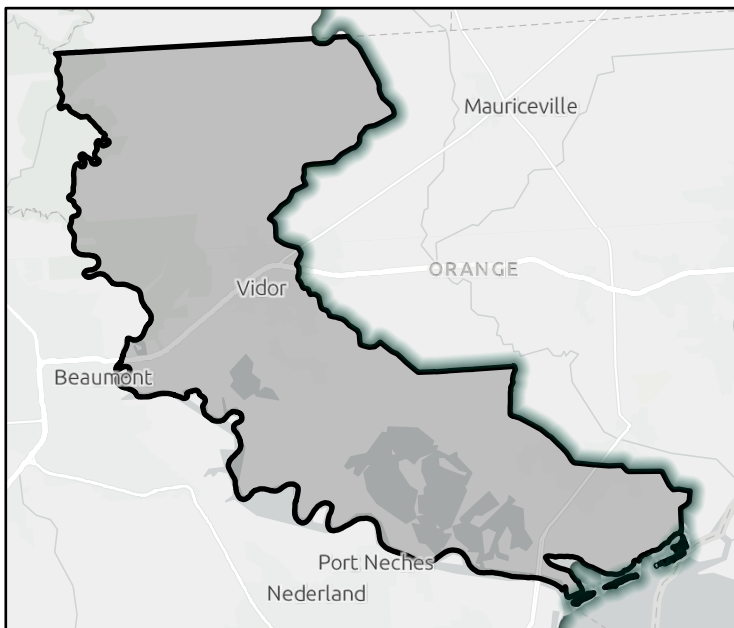Flood risk type: Riverine?   Yes   Coastal?   No   Local Flooding?   No   Other?   Yes
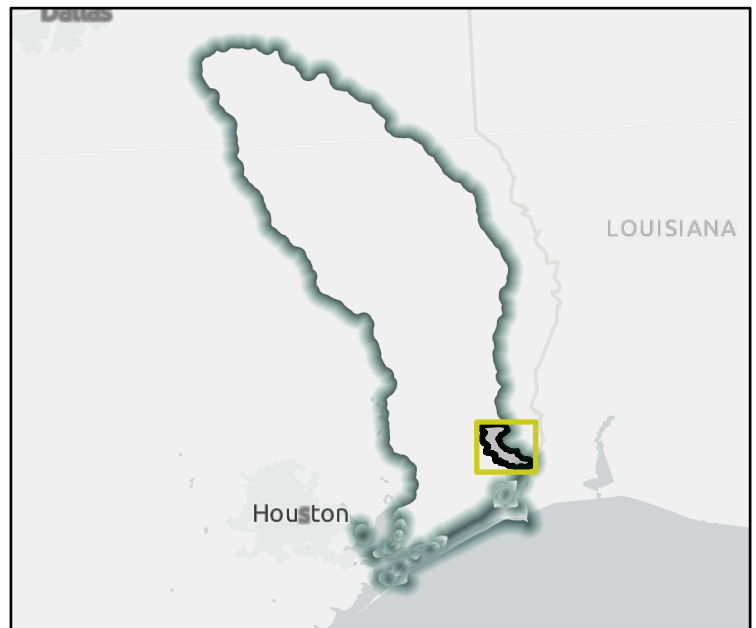
Farm/Ranch land impacted (ac.)   0   Roadways impacted (miles)   1

# of low water crossings   0   # of historical road closures   0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability?   Yes   Potential Federal Funding Sources   -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title Blanchette Diversion

ID# 051000127   Sponsor Jefferson County Drainage District 6

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to identify alternatives for a diversion to the Neches River.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 8

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 558   # of structures 88   # of critical facilities 0
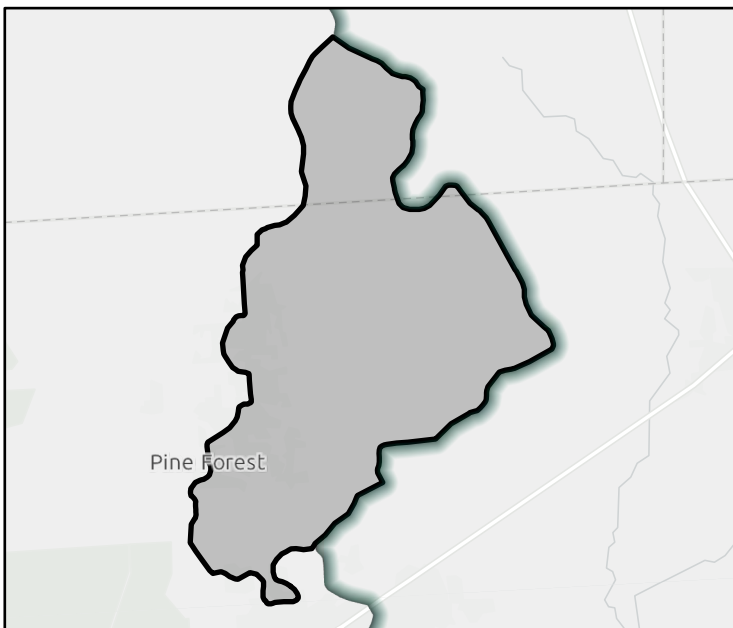
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

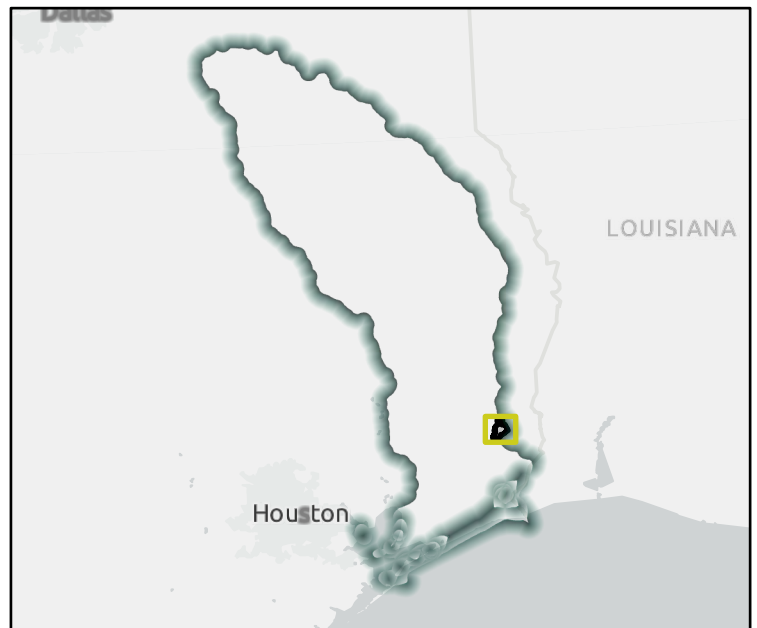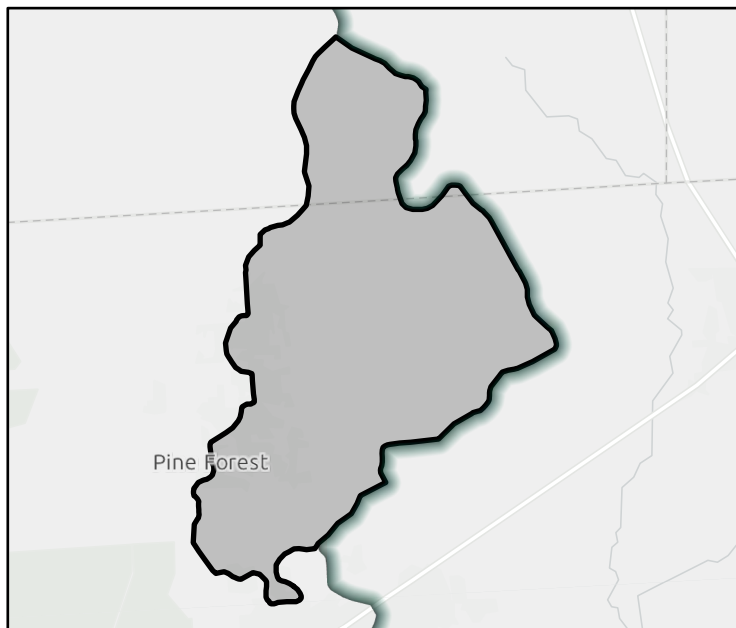Farm/Ranch land impacted (ac.) 4   Roadways impacted (miles) 2

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Rodair Gully System Detention

ID# 051000128   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to identify additional detention required to expand existing level of service

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 12

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
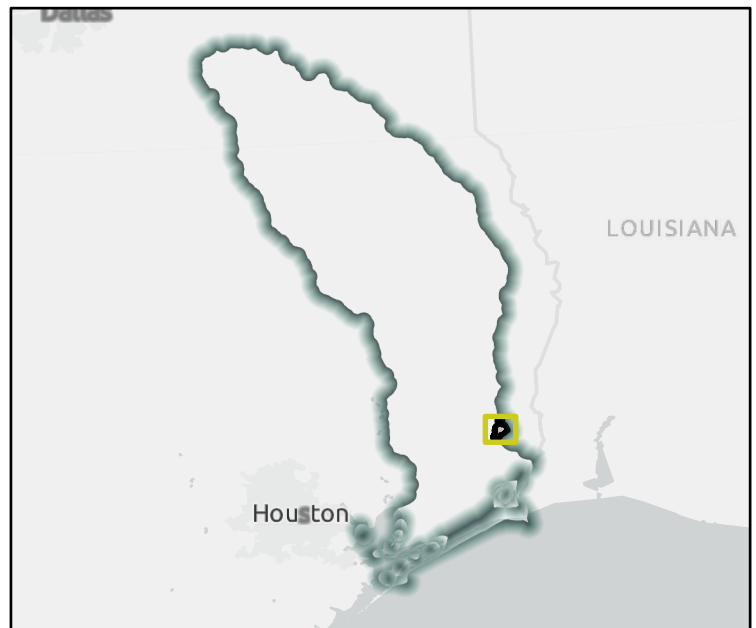
100-Year Flood Risk Summary

Population at risk 981   # of structures 511   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 64   Roadways impacted (miles) 10

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title El Vista Upgrade Pumping Equipment

ID# 051000129 **Sponsor** Jefferson County Drainage District 7

Recommended by RFPG? Yes **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning **County** Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes **Emergency Need?** Yes **Anticipated models in near term?** No **Drainage area (sq. mi., est.)** 2

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 750 **# of structures** 507 **# of critical facilities** 0

Flood risk type: Riverine? Yes **Coastal?** No **Local Flooding?** No **Other?** No

Farm/Ranch land impacted (ac.) 2 **Roadways impacted (miles)** 10

# of low water crossings 0 **# of historical road closures** 0

Estimated Cost and Funding Availability

Total Cost $100,000 **Potential federal funding availability?** Yes **Potential Federal Funding Sources** -
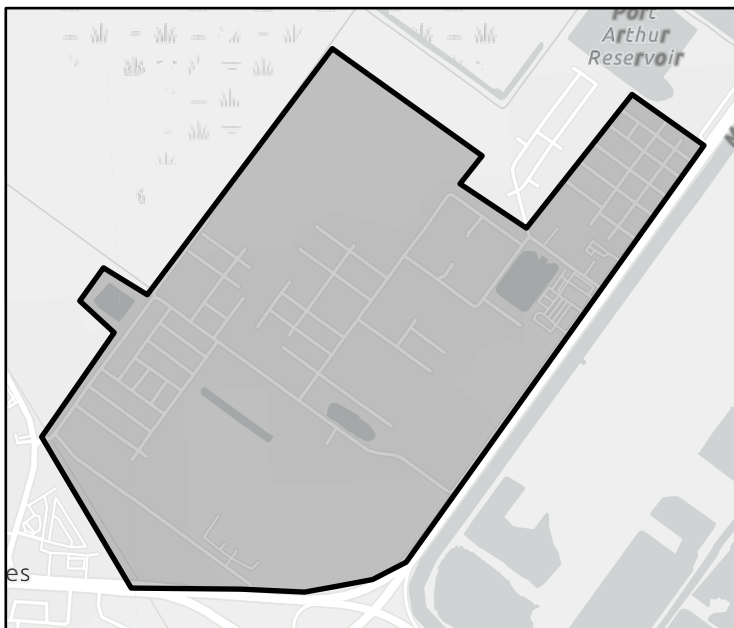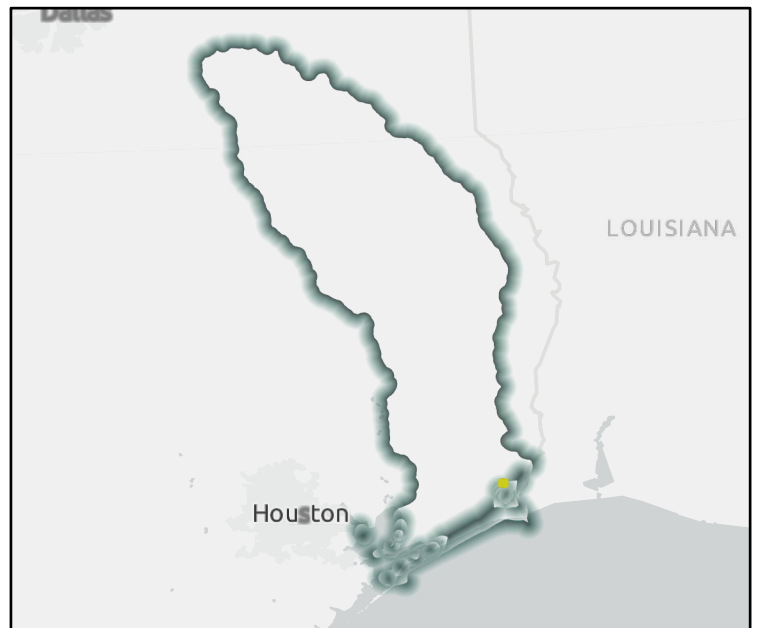
FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title W. Port Arthur Road Upgrade Pumping Equipment

ID# 051000130   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 1

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 4   # of structures 3   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

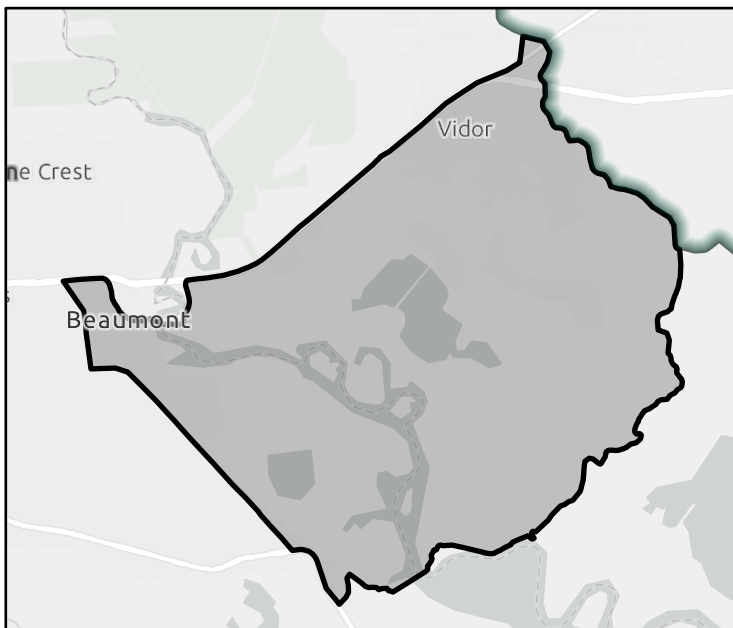# of low water crossings 0   # of historical road closures 0

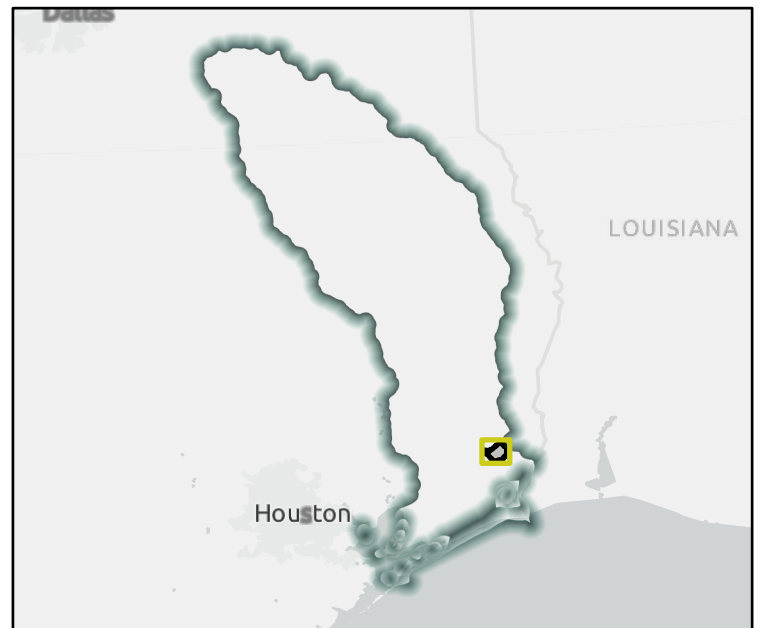## Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Central - Upgrade Pumping Equipment and Structure

ID# 051000131   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 3

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 0   # of structures 0   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title Star Lake Upgrade Pumping Equipment

ID# 051000132   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 1

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

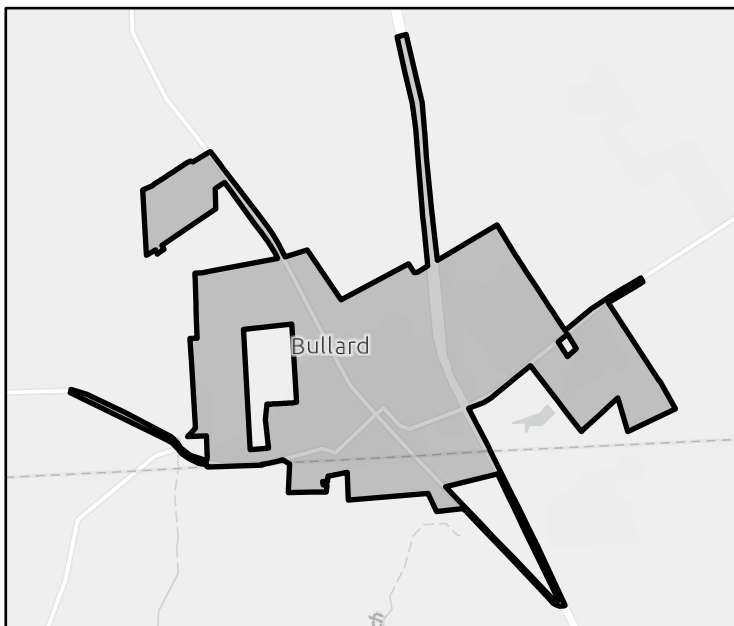Population at risk 0   # of structures 1   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes
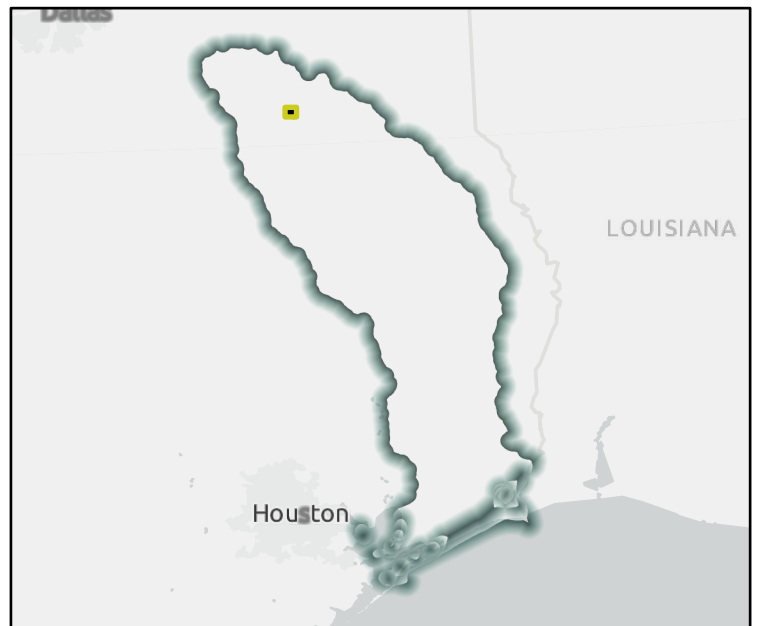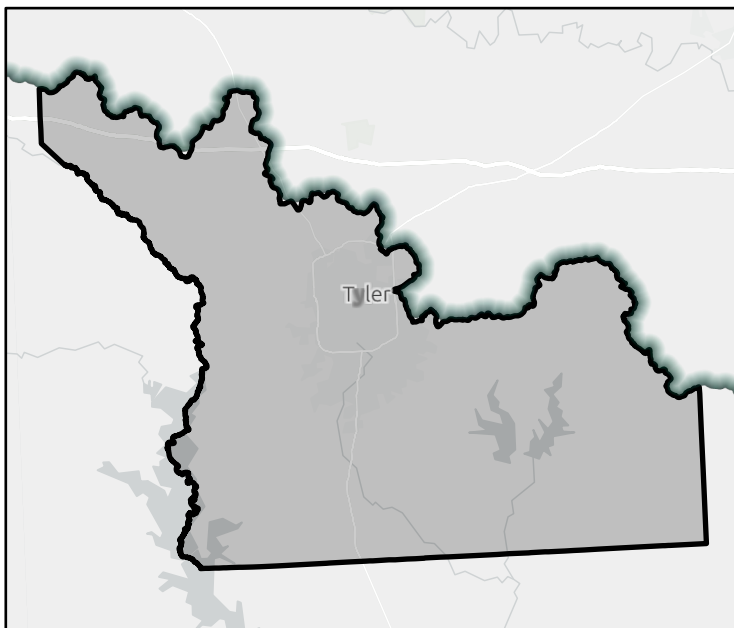
Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Crane Bayou Additional Pumping

ID# 051000133   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 7

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 775   # of structures 359   # of critical facilities 3

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 5

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Lakeview Additional Pumping

ID# 051000134   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 2

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 479   # of structures 216   # of critical facilities 0
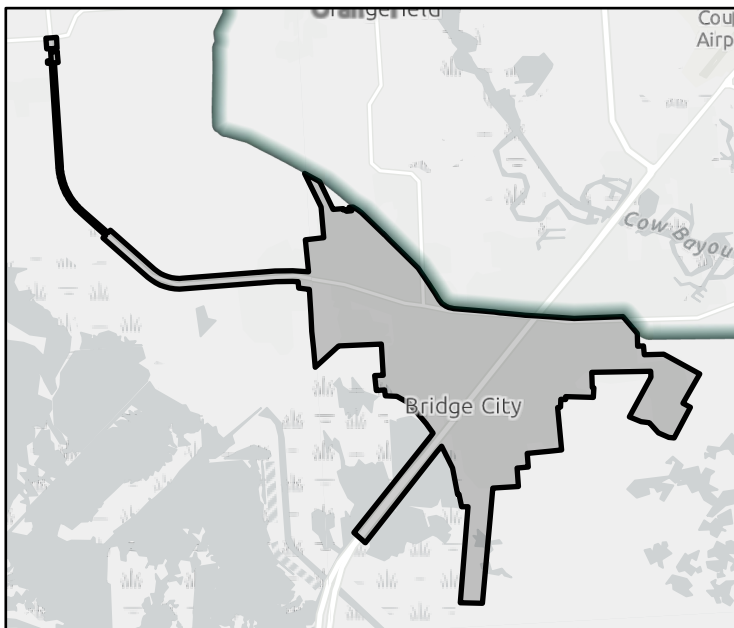
Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

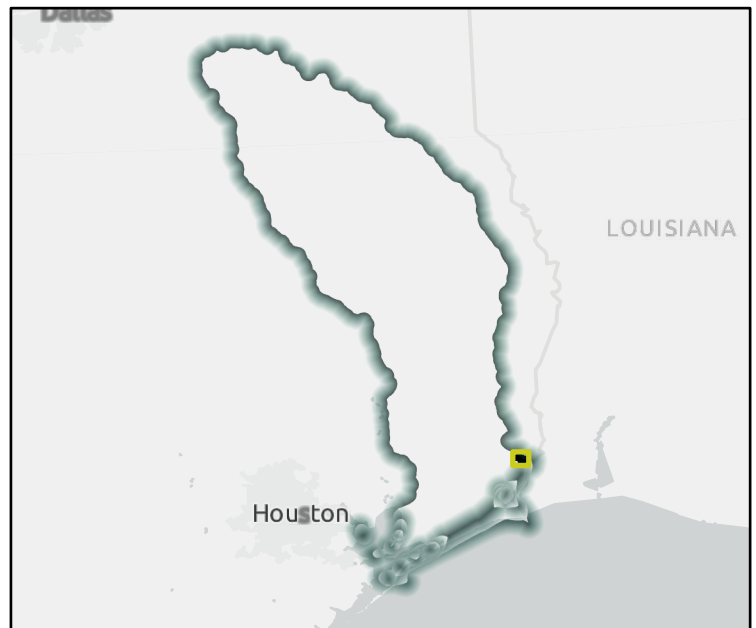Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 2

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Daisetta Drainage Projects

ID# 051000135   Sponsor Daisetta (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type   Project Planning   County Liberty

Study description   Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of drainage improvements throughout the city to include widening culverts and ditches.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 1

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

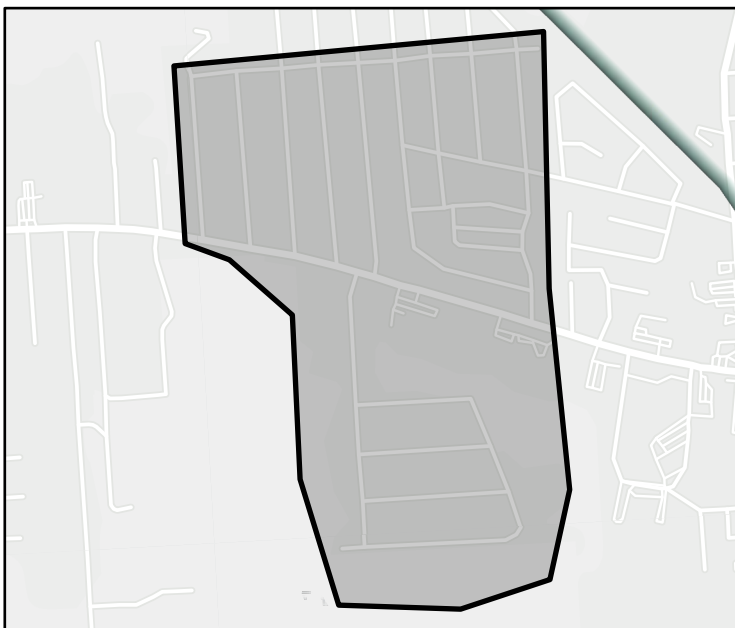Population at risk 0   # of structures 0   # of critical facilities 0
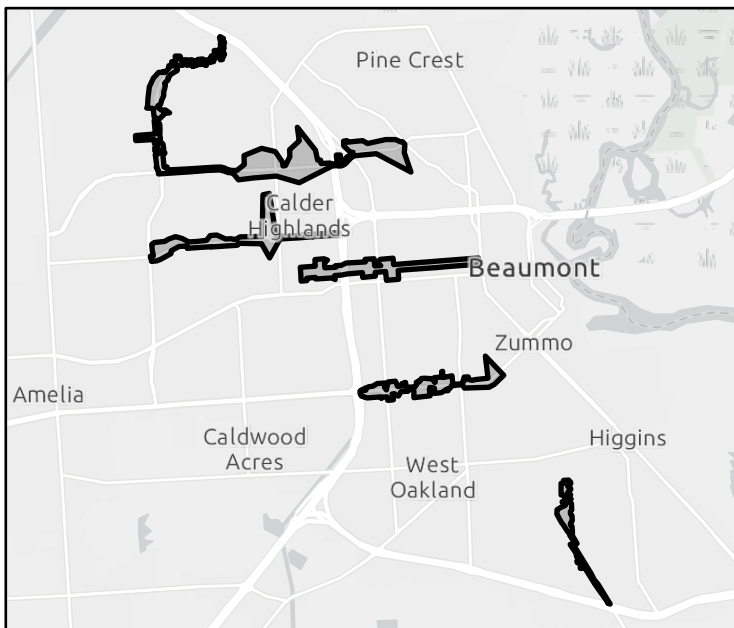
Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $150,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Liberty County Culvert Replacement Project

ID# 051000136   Sponsor Liberty (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Liberty

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of increasing culvert size in identified flood hazard problem areas within Liberty County.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 235

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 140   # of structures 116   # of critical facilities 1

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 1,526   Roadways impacted (miles) 7

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,657   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Liberty County Recanalization Feasibility Study

ID# 051000137   Sponsor Liberty (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Liberty

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of dechannelizing existing feeder creeks that flow from north to south and improve drainage for storm water runoff.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 235

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 140   # of structures 116   # of critical facilities 1

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 1,526   Roadways impacted (miles) 7

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $26,171   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Stadium Upgrade Pumping Equipment

ID# 051000138   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 0

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 27   # of structures 6   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? No

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Delmar Upgrade Pumping Equipment

ID# 051000139   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning

County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 1

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 1,618   # of structures 676   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? No

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 6

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title **DeQueen Additional Pumping Equipment**

ID# **051000140**   Sponsor **Jefferson County Drainage District 7**

Recommended by RFPG? **Yes**   Reason for Recommendation **Complies with RFPG Goals**

Study Details

Study type **Project Planning**   County **Jefferson**

Study description **H&H study to size pump upgrades and improve existing level of service.**

FME to create new H&H model? **Yes**   Emergency Need? **Yes**   Anticipated models in near term? **No**   Drainage area (sq. mi., est.) **1**

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk **0**   # of structures **0**   # of critical facilities **0**

Flood risk type: Riverine? **Yes**   Coastal? **No**   Local Flooding? **No**   Other? **No**

Farm/Ranch land impacted (ac.) **0**   Roadways impacted (miles) **0**

# of low water crossings **0**   # of historical road closures **0**

Estimated Cost and Funding Availability

Total Cost **$100,000**   Potential federal funding availability? **Yes**   Potential Federal Funding Sources **-**

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Shreveport Additional Pumping Equipment

ID# 051000141   Sponsor Jefferson County Drainage District 7

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description H&H study to size pump upgrades and improve existing level of service.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? No   Drainage area (sq. mi., est.) 0

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 0   # of structures 0   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title   Delaware Diversion

ID#   051000142   Sponsor   Jefferson County Drainage District 6

Recommended by RFPG?   Yes   Reason for Recommendation   Complies with RFPG Goals

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Study Details

Study type   Project Planning   County   Jefferson

Study description   Divert storm runoff out of Beaumont from the Hillebrandt watershed to the Neches River.

FME to create new H&H model?   Yes   Emergency Need?   Yes   Anticipated models in near term?   Yes   Drainage area (sq. mi., est.)   7

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk   2,441   # of structures   583   # of critical facilities   1

Flood risk type: Riverine?   Yes   Coastal?   No   Local Flooding?   No   Other?   Yes

Farm/Ranch land impacted (ac.)   0   Roadways impacted (miles)   12

# of low water crossings   0   # of historical road closures   0

Estimated Cost and Funding Availability

Total Cost $500,000   Potential federal funding availability?   Yes   Potential Federal Funding Sources   -

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FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Tyrrell Park Detention

ID# 051000143   Sponsor Jefferson County Drainage District 6

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description Install a detention pond in the vicinity of Tyrrell Park Rd. within the city of Beaumont.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 5

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
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Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 0   # of structures 1   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 258   Roadways impacted (miles) 2

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $500,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Mayhaw Lateral Improvements

ID# 051000144   Sponsor Jefferson County Drainage District 6

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson,Chambers

Study description Rectify negative impacts to properties downstream of IH-10 caused by additional drainage crossings

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 47

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 534   # of structures 401   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 2,479   Roadways impacted (miles) 28

# of low water crossings 3   # of historical road closures 3

Estimated Cost and Funding Availability

Total Cost $2,200,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Feasibility Assessment for Increase in Size of Culverts and Railroad Trestles on Major Drainage Structures Throughout Orange County

ID# 051000145   **Sponsor** Orange County Drainage District

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning   **County** Orange

Study description H&H Study to analyze most efficient alternatives for dredging, widening, or otherwise improving culverts and railroad trestles within Orange County.

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** Yes   **Drainage area (sq. mi., est.)** 156

Goal(s)
Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 8,737   **# of structures** 5,007   **# of critical facilities** 36

Flood risk type: Riverine? Yes   **Coastal?** Yes   **Local Flooding?** No   **Other?** Yes

Farm/Ranch land impacted (ac.) 346   **Roadways impacted (miles)** 136

# of low water crossings 20   **# of historical road closures** 20

Estimated Cost and Funding Availability

Total Cost $150,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Feasibility Assessment of the Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods Located Within Orange County

ID# 051000146   Sponsor Orange County Drainage District

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

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Study Details

Study type Project Planning   County Orange

Study description H&H Study to analyze most efficient alternatives for improving existing drainage ditches and channels linked to neighborhoods within Orange County.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 156

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 8,737   # of structures 5,007   # of critical facilities 36

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 346   Roadways impacted (miles) 136

# of low water crossings 20   # of historical road closures 20

Estimated Cost and Funding Availability

Total Cost $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

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FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Orange County DD Harvey Repairs

ID# 051000147   Sponsor Orange County Drainage District

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

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Study Details

Study type Project Planning   County Orange

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of repairing damage to drainage ditches, crossings, culverts, levees, and right-of-ways caused by Hurricane Harvey to restore pre-flood capacity.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 156

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 8,737   # of structures 5,007   # of critical facilities 36

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 346   Roadways impacted (miles) 136

# of low water crossings 20   # of historical road closures 20

Estimated Cost and Funding Availability

Total Cost $130,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Orange County DD SW Detention/Retention Facilities

ID# 051000148   Sponsor Orange County Drainage District

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Orange

Study description Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of stormwater detention/retention facilities throughout OCDD.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 156

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 8,737   # of structures 5,007   # of critical facilities 36

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 346   Roadways impacted (miles) 136

# of low water crossings 20   # of historical road closures 20

Estimated Cost and Funding Availability

Total Cost $130,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title   Feasibility Assessment of Widening and Deepening Segments of Tiger Creek

ID#   051000149   Sponsor   Orange County Drainage District

Recommended by RFPG?   Yes   Reason for Recommendation   Complies with RFPG Goals

Study Details

Study type   Project Planning   County   Orange, Jasper

Study description   H&H Study to analyze most efficient alternatives for constructing improvements to segments of Tiger Creek.

FME to create new H&H model?   Yes   Emergency Need?   Yes   Anticipated models in near term?   Yes   Drainage area (sq. mi., est.)   28

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk   1,268   # of structures   848   # of critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local Flooding?   No   Other?   Yes

Farm/Ranch land impacted (ac.)   15   Roadways impacted (miles)   17

# of low water crossings   5   # of historical road closures   5

Estimated Cost and Funding Availability

Total Cost $150,000   Potential federal funding availability?   Yes   Potential Federal Funding Sources   -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title: Feasibility Assessment of Construction of a Stormwater Detention Pond Adjacent to Tiger Creek

ID# 051000150   Sponsor: Orange County Drainage District

Recommended by RFPG? Yes   Reason for Recommendation: Complies with RFPG Goals

Study Details

Study type: Project Planning   County: Orange, Jasper

Study description: H&H Study to analyze most efficient alternatives for constructing a stormwater detention pond in the vicinity of Tiger Creek.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 28

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk: 1,268   # of structures: 848   # of critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.): 15   Roadways impacted (miles): 17

# of low water crossings: 5   # of historical road closures: 5

Estimated Cost and Funding Availability

Total Cost: $100,000   Potential federal funding availability? Yes   Potential Federal Funding Sources: _

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Feasibility Assessment of Widening and Deepening Segments of Ten-Mile Creek

ID# 051000151   Sponsor Orange County Drainage District

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Orange, Jasper

Study description H&H Study to analyze most efficient alternatives for constructing improvements to segments of Ten-Mile Creek.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 46

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 748   # of structures 415   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? No

Farm/Ranch land impacted (ac.) 44   Roadways impacted (miles) 13

# of low water crossings 2   # of historical road closures 2

Estimated Cost and Funding Availability

Total Cost $175,000   Potential federal funding availability? Yes   Potential Federal Funding Sources _
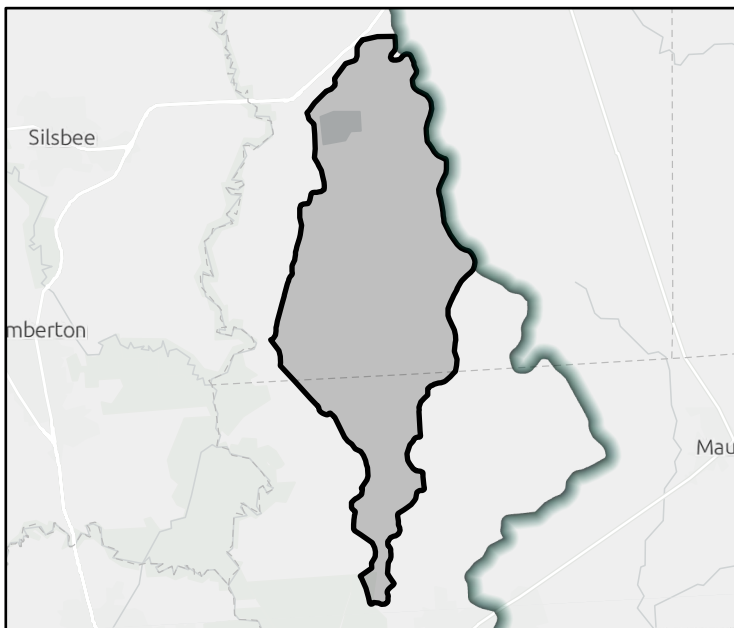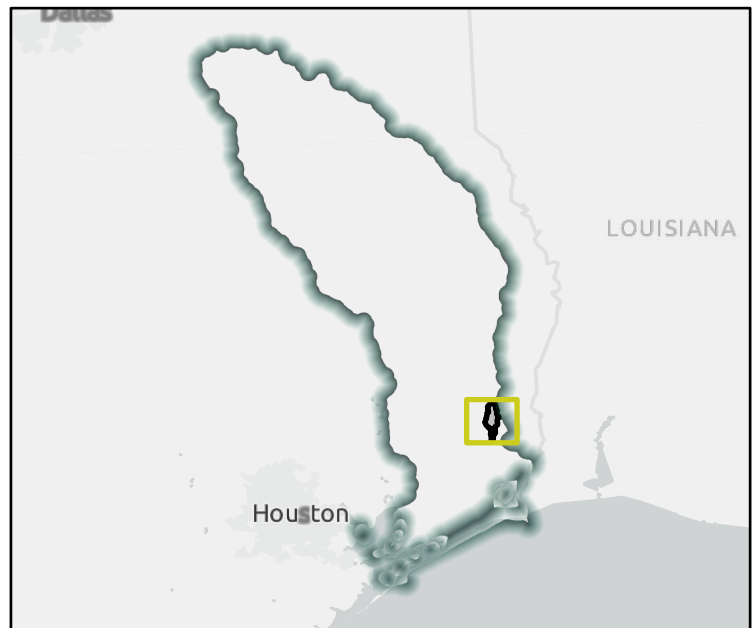
FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Feasibility Assessment of Widening and Deepening Segments of Anderson Gully

ID# 051000152   **Sponsor** Orange County Drainage District

Recommended by RFPG? Yes   **Reason for Recommendation** Complies with RFPG Goals

Study Details

Study type Project Planning   **County** Orange, Jefferson

Study description H&H Study to analyze most efficient alternatives for constructing improvements to segments of Anderson Gully.

FME to create new H&H model? Yes   **Emergency Need?** Yes   **Anticipated models in near term?** Yes   **Drainage area (sq. mi., est.)** 42

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 2,262   **# of structures** 1,366   **# of critical facilities** 194

Flood risk type: Riverine? Yes   **Coastal?** Yes   **Local Flooding?** No   **Other?** Yes

Farm/Ranch land impacted (ac.) 140   **Roadways impacted (miles)** 35

# of low water crossings 9   **# of historical road closures** 9

Estimated Cost and Funding Availability

Total Cost $325,000   **Potential federal funding availability?** Yes   **Potential Federal Funding Sources** -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title City of Bullard Culvert Upgrades

ID# 051000153   Sponsor Bullard (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Smith

Study description Study to evaluate existing culverts for current condition and identify culverts that need to be upgraded.

FME to create new H&H model? Yes   Emergency Need? No   Anticipated models in near term? No   Drainage area (sq. mi., est.) 3

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

100-Year Flood Risk Summary

Population at risk 0   # of structures 0   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? No

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $50,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Smith County Drainage Capacity Upgrades

ID# 051000154   Sponsor Smith (County)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Smith

Study description Study to evaluate existing culverts within Smith County and identify culverts that need to be upgraded.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 510

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Goal 4: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Goal 5: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 6: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

100-Year Flood Risk Summary

Population at risk 6,216   # of structures 2,347   # of critical facilities 72

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? Yes   Other? Yes

Farm/Ranch land impacted (ac.) 216   Roadways impacted (miles) 50

# of low water crossings 42   # of historical road closures 42

Estimated Cost and Funding Availability

Total Cost $225,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

Title Bridge City Drainage Outfall Improvement Project

ID# 051000155   Sponsor Orange County Drainage District

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Orange

Study description Improve and extend three major drainage ditches and extend a neighborhood outfall to reduce structural flooding in residences within the area.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 4

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 5: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 6: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk 3,394   # of structures 1,889   # of critical facilities 6

Flood risk type: Riverine? Yes   Coastal? Yes   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 6   Roadways impacted (miles) 36

# of low water crossings 1   # of historical road closures 1

Estimated Cost and Funding Availability

Total Cost $200,000   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Evaluation (FME)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title | Colonial Outfall Ditch Culvert Improvements

ID# | 051000156 | Sponsor | Orange County Drainage District

Recommended by RFPG? | Yes | Reason for Recommendation | Complies with RFPG Goals

Study Details

Study type | Project Planning | County | Orange

Study description | H&H Study to analyze most efficient alternatives to install new culverts along FM 1442 (Bridge City) at Colonial Outfall Ditch.

FME to create new H&H model? | Yes | Emergency Need? | Yes | Anticipated models in near term? | Yes | Drainage area (sq. mi., est.) | 1

Goal(s) | Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

100-Year Flood Risk Summary

Population at risk | 905 | # of structures | 188 | # of critical facilities | 0

Flood risk type: Riverine? | Yes | Coastal? | Yes | Local Flooding? | No | Other? | No

Farm/Ranch land impacted (ac.) | 1 | Roadways impacted (miles) | 5

# of low water crossings | 1 | # of historical road closures | 1

Estimated Cost and Funding Availability

Total Cost | $200,000 | Potential federal funding availability? | Yes | Potential Federal Funding Sources | -

FME Area

Regional view of FME area

LOUISIANA

Houston

Flood Management Evaluation (FME)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Beaumont Drainage Studies

ID# 051000157   Sponsor Beaumont (Municipality)

Recommended by RFPG? Yes   Reason for Recommendation Complies with RFPG Goals

Study Details

Study type Project Planning   County Jefferson

Study description Drainage study to evaluate new storm water and sanitary sewer lines associated with reconstruction of key areas in the city to reduce localized flooding issues.

FME to create new H&H model? Yes   Emergency Need? Yes   Anticipated models in near term? Yes   Drainage area (sq. mi., est.) 1

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

100-Year Flood Risk Summary

Population at risk 588   # of structures 29   # of critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local Flooding? No   Other? Yes

Farm/Ranch land impacted (ac.) 0   Roadways impacted (miles) 0

# of low water crossings 0   # of historical road closures 0

Estimated Cost and Funding Availability

Total Cost $118,750   Potential federal funding availability? Yes   Potential Federal Funding Sources -

FME Area

Regional view of FME area

Flood Management Strategy (FMS)

Title Anderson County Flood Education Program

ID# 052000001 **Sponsor** Anderson (County)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Education and Outreach **County** Anderson

Strategy description Educate homeowners to increase awareness about the hazard of flooding and to inform residents of mitigation actions to reduce risk.

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 73 **# of structures** 69 **Critical facilities** 0

Flood risk type: **Riverine?** Yes **Coastal?** No **Local?** Yes **Playa?** No **Other?** No

Farm/Ranch land impacted (acres) 348 **Roadway(s) impacted (miles)** 22

Number of low water crossings 2 **Historical road closures** 2

100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

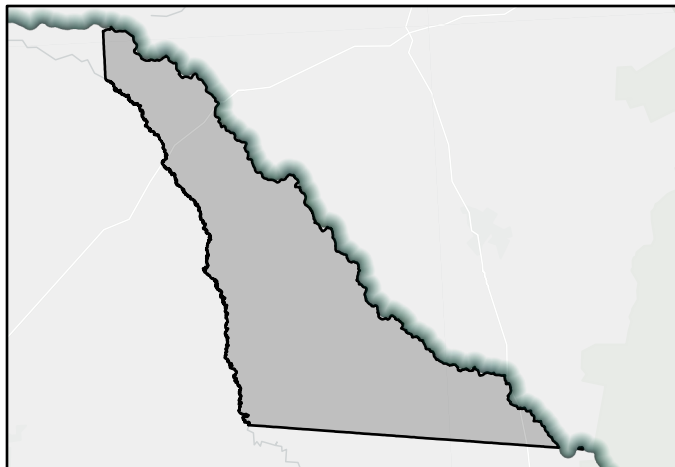**Other benefits** - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $50,000 **Amount of available funding** - **% Nature-Based** 0

FMS area

Regional view of FMS area

1 of 147

Flood Management Strategy (FMS)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Anderson County Natural Hazards Education Program Development

ID#: 052000002 Sponsor: Anderson (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Education and Outreach   County: Anderson

Strategy description: Develop, enhance and implement education programs to increase awareness of natural hazards and to inform residents of mitigation actions to reduce risk to citizens, public infrastructure, private property owners, businesses and schools.

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 73   # of structures: 69   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 348   Roadway(s) impacted (miles): 22

Number of low water crossings: 2   Historical road closures: 2

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

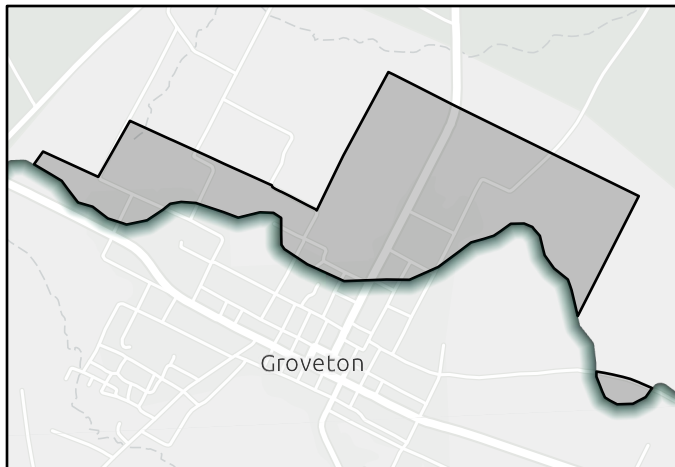Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

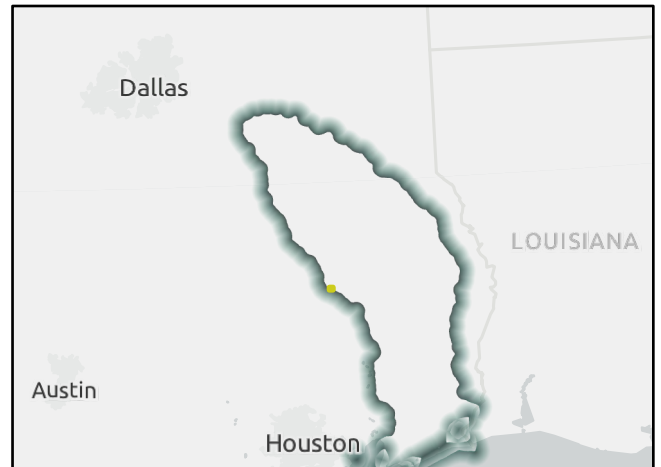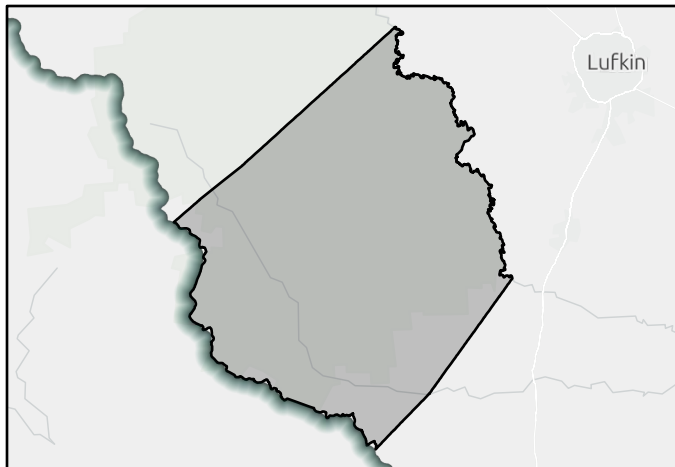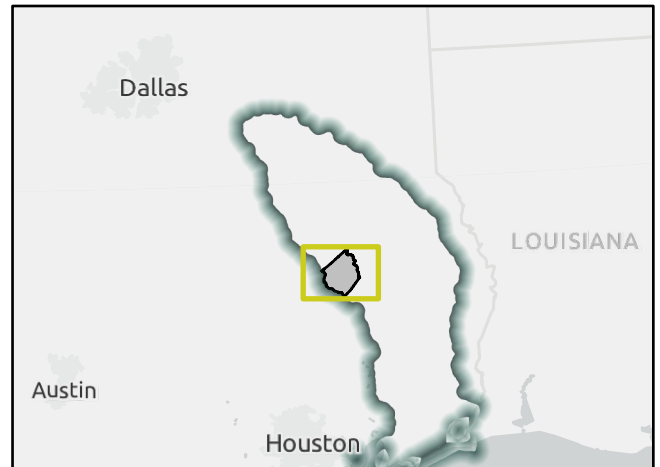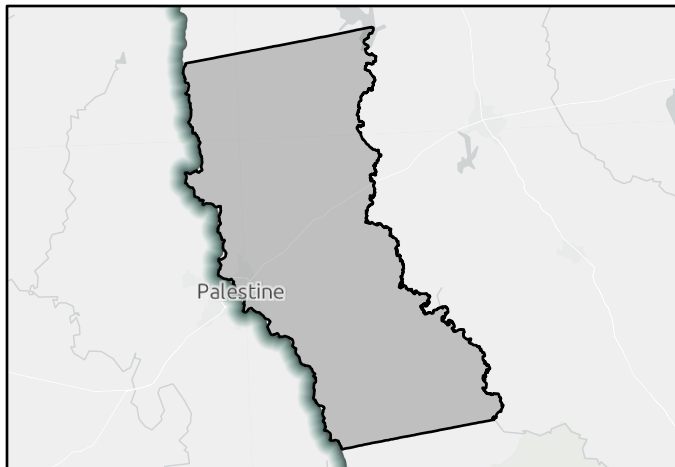Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $50,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   City of Frankston Flood Education Program

ID#   052000003   **Sponsor**   Frankston (Municipality)

RFPG recommend?   Yes   **Reason for Recommendation**   Complies with RFPG Goals

Strategy Details

Strategy type   Education and Outreach   **County**   Anderson

Strategy description   The City will provide public education on the dangers of flash flooding, and to inform residents of mitigation actions to reduce risk to citizens, public infrastructure, private property owners, businesses and schools.

Goal(s)   Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 0   **# of structures** 0   **Critical facilities** 0

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** Yes   **Playa?** No   **Other?** No

Farm/Ranch land impacted (acres) 0   **Roadway(s) impacted (miles)** 0

Number of low water crossings 0   **Historical road closures** 0

100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $50,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title Angelina County Public Education on Mitigation Techniques

ID# 052000004   Sponsor Angelina (County)

RFPG recommend? Yes   Reason for Recommendation Complies with RFPG Goals

Strategy Details

Strategy type Education and Outreach   County Angelina

Strategy description Publish educational materials to inform the public in methods of mitigating private property against natural hazard damage.

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 8,420   # of structures 1,201   Critical facilities 11

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres) 165   Roadway(s) impacted (miles) 66

Number of low water crossings 19   Historical road closures 19

100-Year Flood Risk Reduction

Population removed from 100-yr -   # of structures removed from 100-yr -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) -   Low water crossings removed from 100-yr -

Other benefits -   Reduction in # of road closures over 10 years -

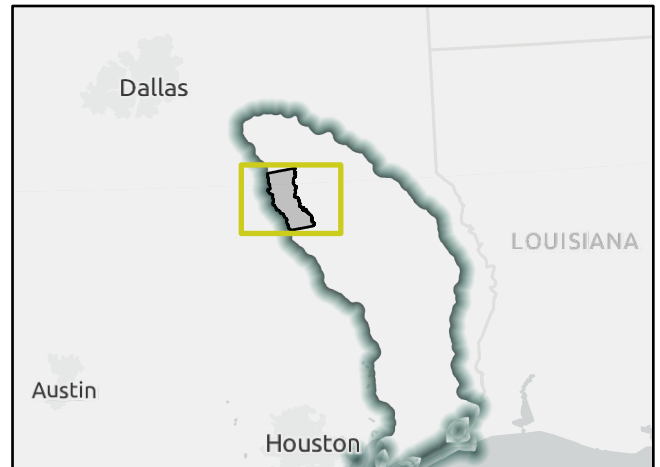## Impacts

Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost

Strategy Cost $10,000   Amount of available funding -   % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   Chambers County Public Education on Mitigation Techniques

ID#   052000005   **Sponsor**   Chambers (County)

RFPG recommend?   Yes   **Reason for Recommendation**   Complies with RFPG Goals

Strategy Details

Strategy type   Education and Outreach   **County**   Chambers

Strategy description   Implement an outreach and education campaign to educate the public on mitigation techniques for all hazards to reduce loss of life and property.

Goal(s)   Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk   1,431   **# of structures**   1,175   **Critical facilities**   0

Flood risk type: **Riverine?**   Yes   **Coastal?**   Yes   **Local?**   No   **Playa?**   No   **Other?**   Yes

Farm/Ranch land impacted (acres)   36,933   **Roadway(s) impacted (miles)**   162

Number of low water crossings   0   **Historical road closures**   0

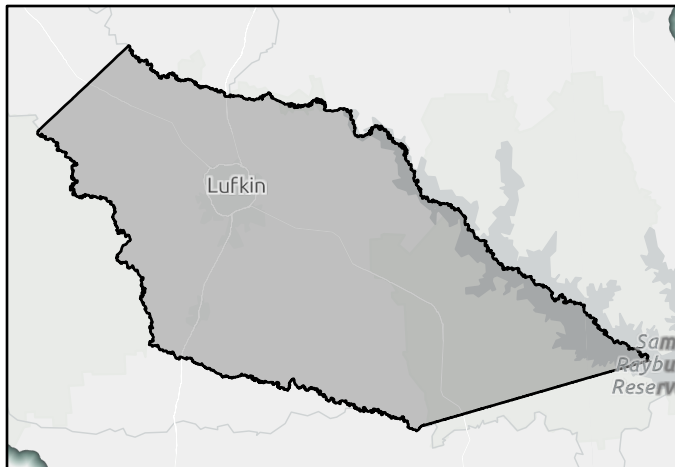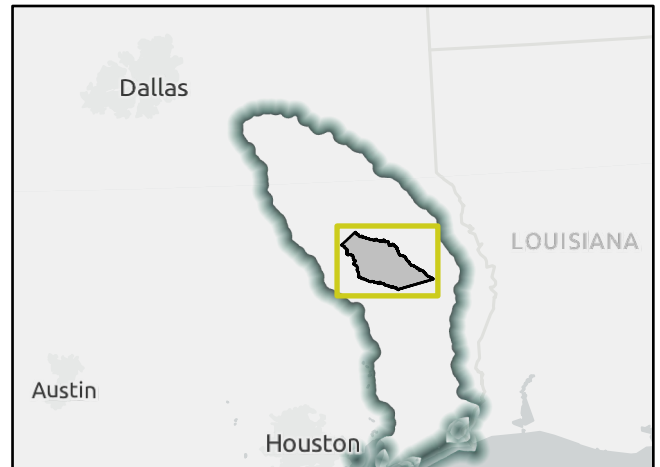## 100-Year Flood Risk Reduction

Population removed from 100-yr   -   **# of structures removed from 100-yr**   -

Critical facilities removed from 100-yr   -   **Farm/Ranch land removed from 100-yr (acres)**   -

Road removed from 100-yr (miles)   -   **Low water crossings removed from 100-yr**   -

Other benefits   -   **Reduction in # of road closures over 10 years**   -

Impacts

Negative impacts?   No   **Negative impacts description**   -

Water supply contributions?   No   **Water supply contribution description**   -

Estimated Cost

Strategy Cost $50,000   **Amount of available funding**   -   **% Nature-Based**   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: City of Gallatin "Turn Around Don't Drown" Campaign

ID# 052000006 Sponsor: Gallatin (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Education and Outreach County: Cherokee

Strategy description: Promote the "Turn Around Don't Drown" campaign in partnership with DPS.

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 0 # of structures: 2 Critical facilities: 0

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 60 Roadway(s) impacted (miles): 1

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: - # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: - Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): - Low water crossings removed from 100-yr: -

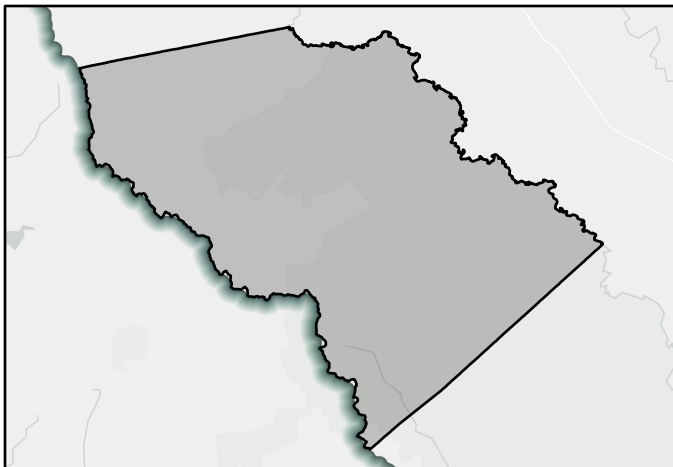Other benefits: - Reduction in # of road closures over 10 years: -
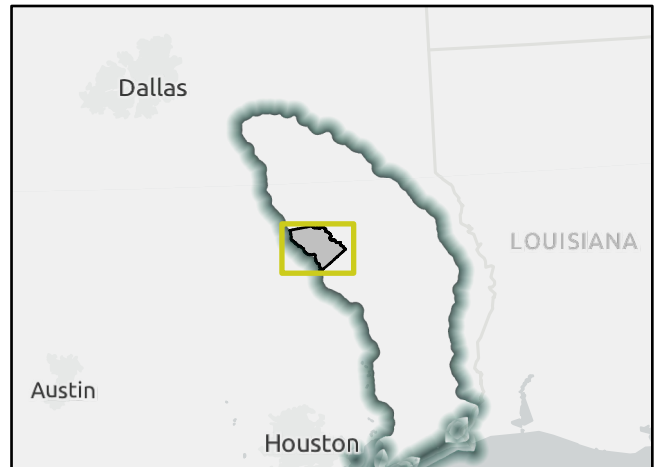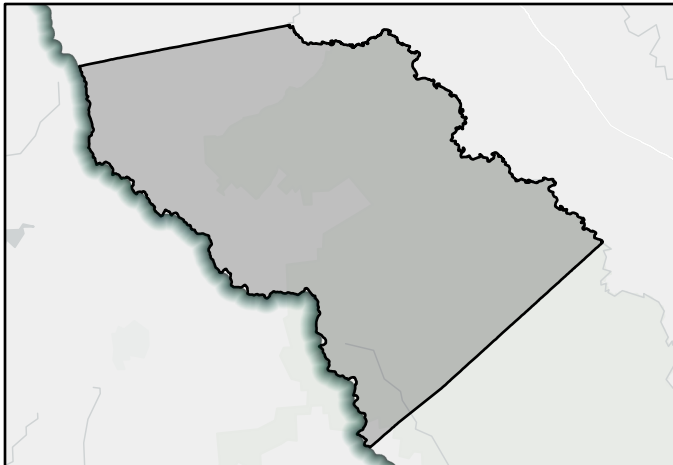
Impacts

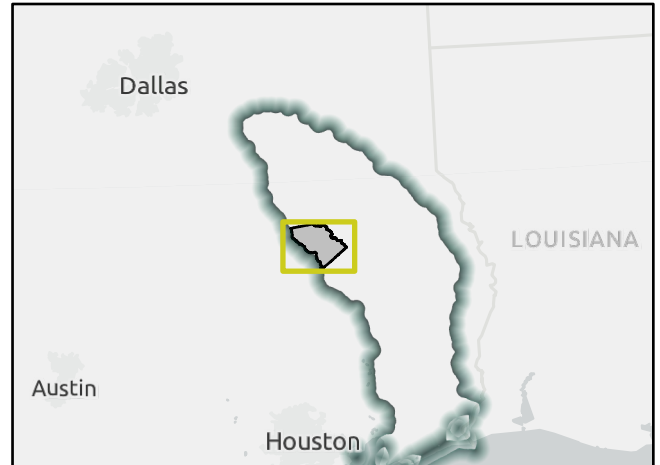Negative impacts? No Negative impacts description: -

Water supply contributions? No Water supply contribution description: -

Estimated Cost

Strategy Cost: $10,000 Amount of available funding: - % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title City of Jacksonville Public Education on Mitigation Actions

ID# 052000007 **Sponsor** Jacksonville (Municipality)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Education and Outreach **County** Cherokee

Strategy description Develop and implement public education program to educate the public on mitigation actions to reduce their risk, along with posting updated pertinent weather information on City social media during weather events.

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 606 **# of structures** 192 **Critical facilities** 0

Flood risk type: **Riverine?** Yes **Coastal?** No **Local?** Yes **Playa?** No **Other?** No

Farm/Ranch land impacted (acres) 4 **Roadway(s) impacted (miles)** 4

Number of low water crossings 7 **Historical road closures** 7

100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

Other benefits - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $20,000 **Amount of available funding** - **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: City of Rusk "Turn Around Don't Drown" Campaign

ID#: 052000008   Sponsor: Rusk (Municipality)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Education and Outreach   County: Cherokee

Strategy description: Promote the "Turn Around Don't Drown" campaign in partnership with DPS.

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis. Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 462   # of structures: 41   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 1   Roadway(s) impacted (miles): 2

Number of low water crossings: 0   Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

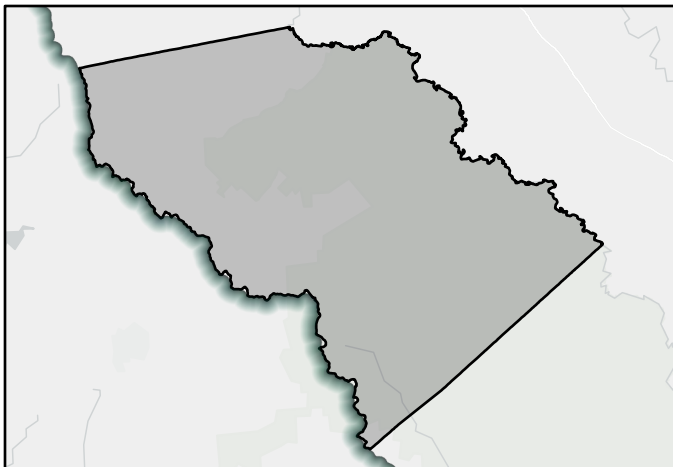Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

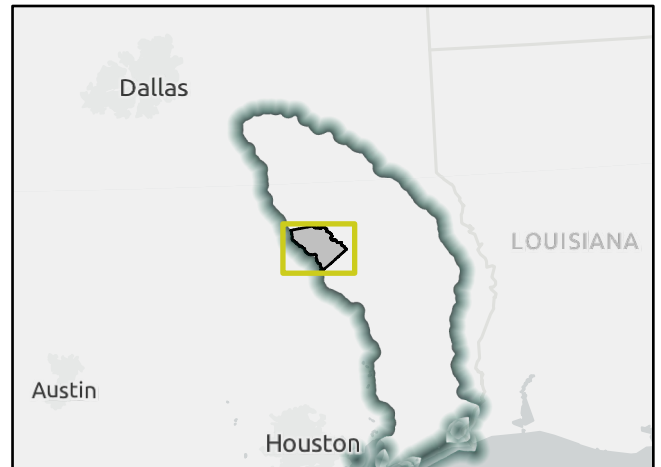Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $10,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title Henderson County Emergency Training Program

ID# 052000009   **Sponsor** Henderson (County)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Education and Outreach   **County** Henderson

Strategy description Increase training opportunities for citizens to encourage their involvement in mitigation efforts.

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 267   **# of structures** 240   **Critical facilities** 0

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** Yes   **Playa?** No   **Other?** Yes

Farm/Ranch land impacted (acres) 348   **Roadway(s) impacted (miles)** 20

Number of low water crossings 1   **Historical road closures** 1

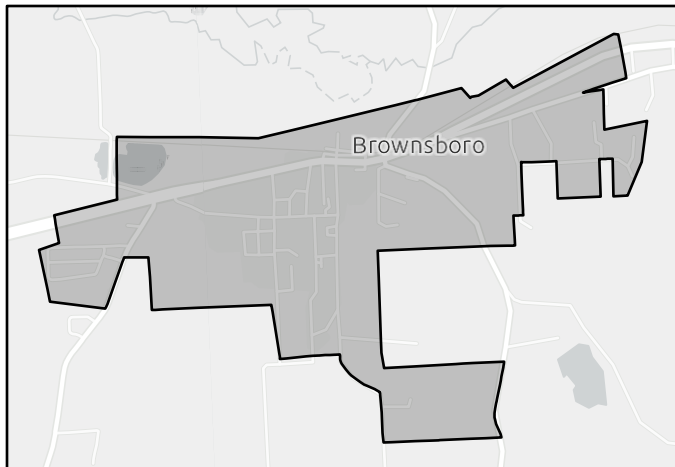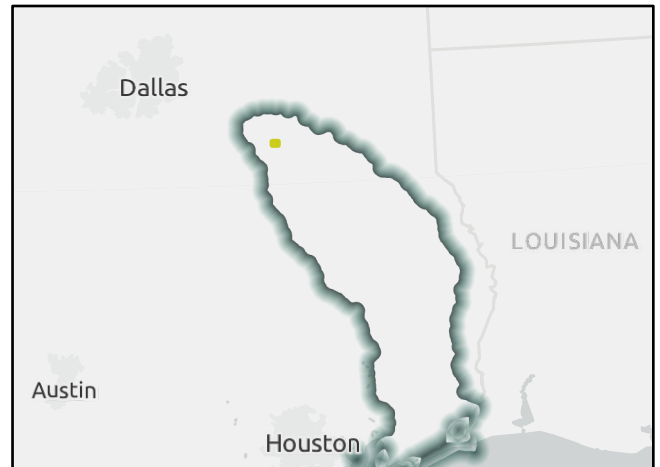## 100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $50,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

Title City of Berryville Public Education on Mitigation Techniques

ID# 052000010 **Sponsor** Berryville (Municipality)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type	Education and Outreach	County	Henderson

Strategy description Provide materials and data sources to educate citizens of all potential hazards in the planning area and methods to mitigate hazards and increase awareness.

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Farm/Ranch land impacted (acres) 0   Roadway(s) impacted (miles) 0

Number of low water crossings 0   Historical road closures 0
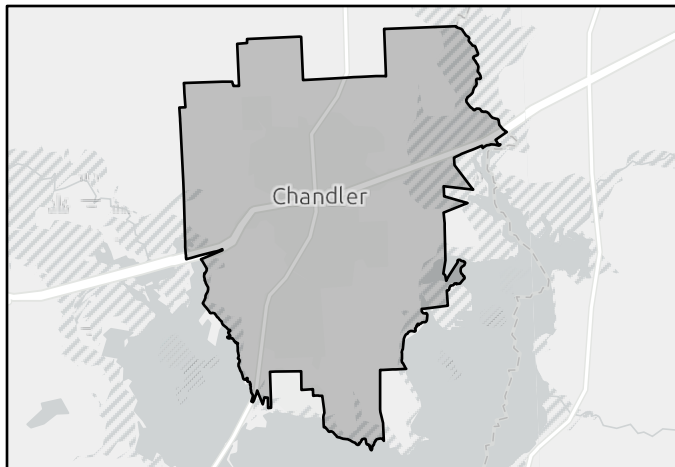
100-Year Flood Risk Reduction

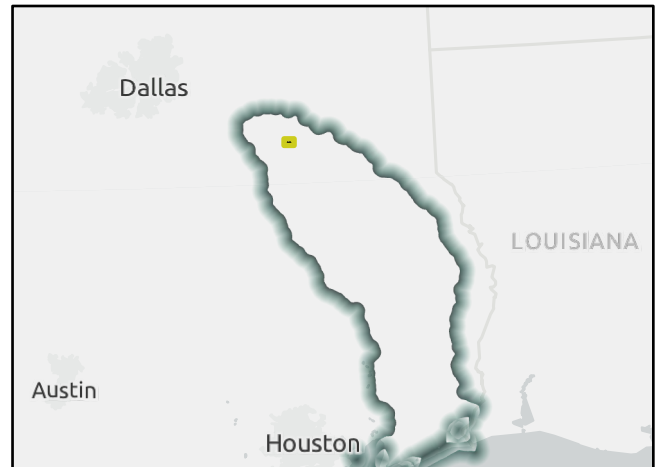|			
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	$3,000	Amount of available funding	-	% Nature-Based	0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Brownsboro Flood Mitigation Education for City Officials and Citizens

ID# 052000011   **Sponsor** Brownsboro (Municipality)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Education and Outreach   **County** Henderson

Strategy description Seek FEMA and State training in flood mitigation to assist with NFIP and encourage awareness of flood hazard and National Flood Insurance Program assistance to citizens

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 52   **# of structures** 32   **Critical facilities** 0

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** Yes   **Playa?** No   **Other?** No

Farm/Ranch land impacted (acres) 8   **Roadway(s) impacted (miles)** 1

Number of low water crossings 0   **Historical road closures** 0

100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

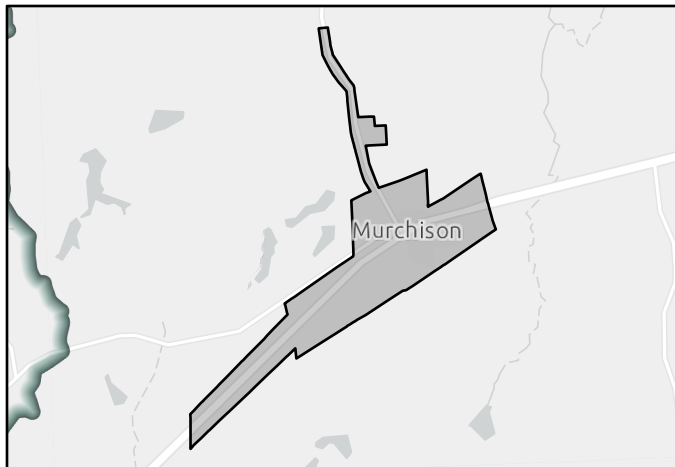**Other benefits** -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $5,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title	City of Brownsboro Public Education on Mitigation Techniques
ID#	052000012
Sponsor	Brownsboro (Municipality)
RFPG recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

Strategy Details

Strategy type	Education and Outreach
County	Henderson

Strategy description: Provide materials and data sources to educate citizens of all potential hazards in the planning area and methods to mitigate hazards and increase awareness.

Goal(s):
Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk	52	# of structures	32
Critical facilities	0		

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Farm/Ranch land impacted (acres)	8	Roadway(s) impacted (miles)	1
Number of low water crossings	0	Historical road closures	0

100-Year Flood Risk Reduction
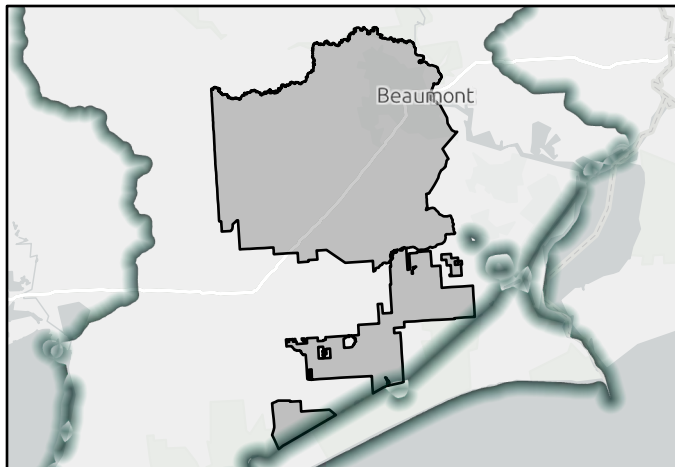
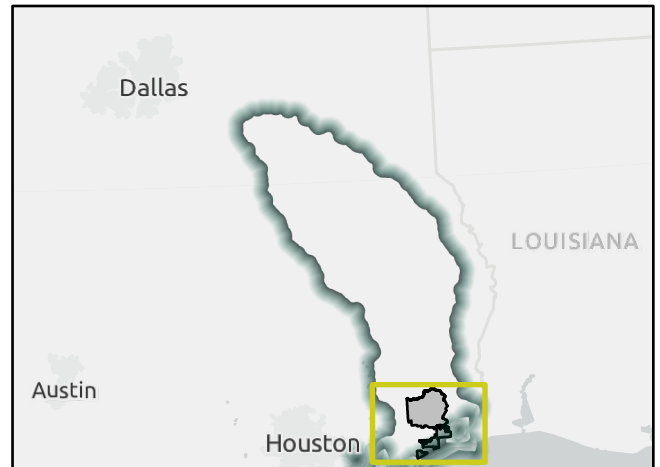|			
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	$5,000	Amount of available funding	-
% Nature-Based	0		

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

Title: City of Chandler Citizen/Business/City Mitigation Strategy Planning

ID# 052000013   Sponsor: Chandler (Municipality)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Education and Outreach   County: Henderson

Strategy description: Encourage the development of public and private partnership with businesses, service organizations and other community groups to work together on mitigation

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 105   # of structures: 29   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 7   Roadway(s) impacted (miles): 1

Number of low water crossings: 0   Historical road closures: 0
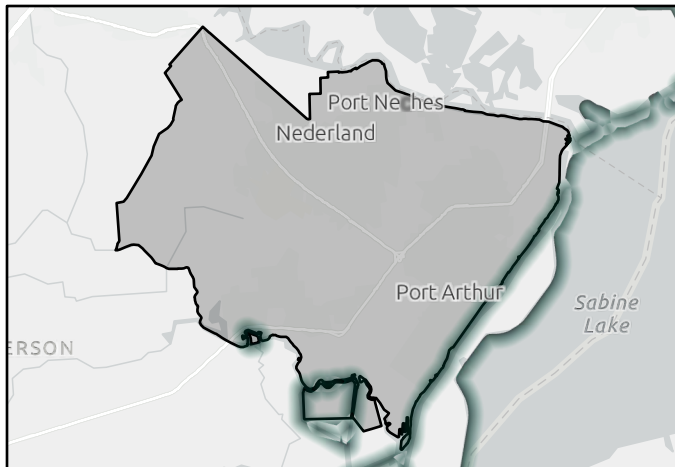
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -
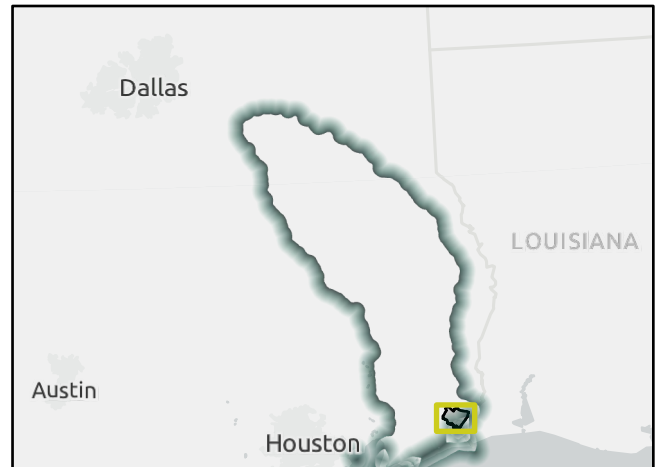
Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $10,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title City of Chandler Public Education on Code Red System

ID# 052000014 **Sponsor** Chandler (Municipality)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Education and Outreach **County** Henderson

Strategy description Provide public training and education materials about the Code Red system and how to register for the warning system notifications

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 105 **# of structures** 29 **Critical facilities** 0

Flood risk type: **Riverine?** Yes **Coastal?** No **Local?** Yes **Playa?** No **Other?** No

Farm/Ranch land impacted (acres) 7 **Roadway(s) impacted (miles)** 1

Number of low water crossings 0 **Historical road closures** 0

100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

Other benefits - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $10,000 **Amount of available funding** - **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title — Houston County Property Elevation and Public Education on NFIP

ID# — 052000015   Sponsor — Houston (County)

RFPG recommend? — Yes   Reason for Recommendation — Complies with RFPG Goals

Strategy Details

Strategy type — Education and Outreach   County — Houston

Strategy description — Conduct program to educate residents on NFIP/availability of flood insurance and elevating new construction in and outside of mapped floodplain areas.

Goal(s) — Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk — 16   # of structures — 17   Critical facilities — 0

Flood risk type: Riverine? — Yes   Coastal? — No   Local? — Yes   Playa? — No   Other? — Yes

Farm/Ranch land impacted (acres) — 117   Roadway(s) impacted (miles) — 20

Number of low water crossings — 7   Historical road closures — 7
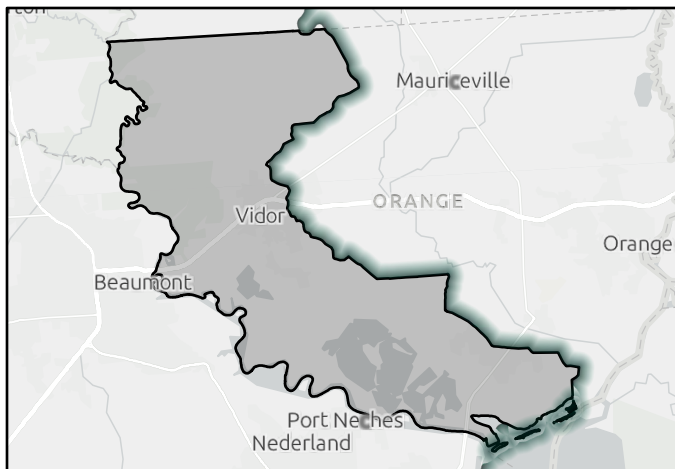
100-Year Flood Risk Reduction

Population removed from 100-yr — -   # of structures removed from 100-yr — -

Critical facilities removed from 100-yr — -   Farm/Ranch land removed from 100-yr (acres) — -

Road removed from 100-yr (miles) — -   Low water crossings removed from 100-yr — -

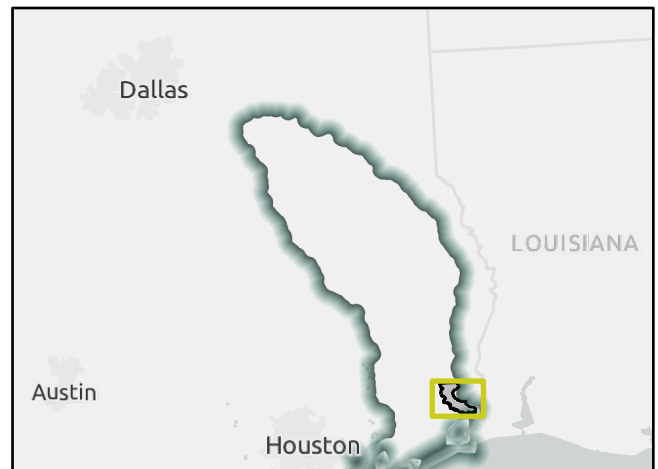Other benefits — -   Reduction in # of road closures over 10 years — -

Impacts

Negative impacts? — No   Negative impacts description — -

Water supply contributions? — No   Water supply contribution description — -

Estimated Cost

Strategy Cost — $10,000   Amount of available funding — -   % Nature-Based — 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   Houston County Public Education Program on Emergency Evacuation

ID#   052000016   **Sponsor**   Houston (County)

RFPG recommend?   Yes   **Reason for Recommendation**   Complies with RFPG Goals

Strategy Details

Strategy type   Education and Outreach   **County**   Houston

Strategy description   Conduct public education program and advertise Houston County Emergency Evacuation Plan, such as escape routes in coordination with TxDOT.

Goal(s)   Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk   16   **# of structures**   17   **Critical facilities**   0

Flood risk type: **Riverine?**   Yes   **Coastal?**   No   **Local?**   Yes   **Playa?**   No   **Other?**   Yes

Farm/Ranch land impacted (acres)   117   **Roadway(s) impacted (miles)**   20

Number of low water crossings   7   **Historical road closures**   7

100-Year Flood Risk Reduction

Population removed from 100-yr   -   **# of structures removed from 100-yr**   -

Critical facilities removed from 100-yr   -   **Farm/Ranch land removed from 100-yr (acres)**   -

Road removed from 100-yr (miles)   -   **Low water crossings removed from 100-yr**   -

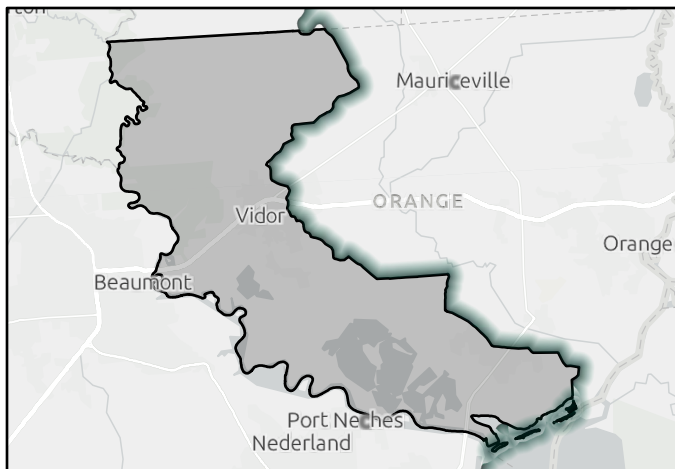**Other benefits**   -   **Reduction in # of road closures over 10 years**   -

Impacts

Negative impacts?   No   **Negative impacts description**   -

Water supply contributions?   No   **Water supply contribution description**   -

Estimated Cost

Strategy Cost $22,200   **Amount of available funding**   -   **% Nature-Based**   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title City of Kennard Public Awareness Program

ID# 052000017 Sponsor Houston (County)

RFPG recommend? Yes   Reason for Recommendation Complies with RFPG Goals

Strategy Details

Strategy type Education and Outreach   County Houston

Strategy description Conduct public awareness program and distribute NFIP education information to citizens including availability of flood insurance.

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 16   # of structures 17   Critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres) 117   Roadway(s) impacted (miles) 20

Number of low water crossings 7   Historical road closures 7
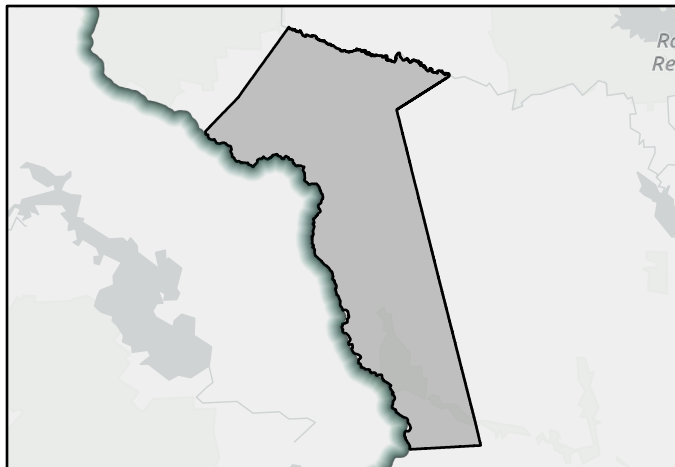
100-Year Flood Risk Reduction

Population removed from 100-yr -   # of structures removed from 100-yr -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) -   Low water crossings removed from 100-yr -

Other benefits -   Reduction in # of road closures over 10 years -

Impacts

Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost

Strategy Cost $10,000   Amount of available funding -   % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

Title | JCDD6 Public Education Material Distribution

ID# | 052000018 | Sponsor | Jefferson County Drainage District 6

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Education and Outreach | County | Jefferson

Strategy description | Develop distribution centers in local libraries, DD6 facilities, DD6 website and other public buildings where information and safety guidance on natural and manmade hazards as well as ways to mitigate hazards can be provided to citizens

Goal(s) | Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk | 20,772 | # of structures | 6,491 | Critical facilities | 30

Flood risk type: | Riverine? | Yes | Coastal? | Yes | Local? | No | Playa? | No | Other? | Yes

Farm/Ranch land impacted (acres) | 20,945 | Roadway(s) impacted (miles) | 215

Number of low water crossings | 16 | Historical road closures | 16

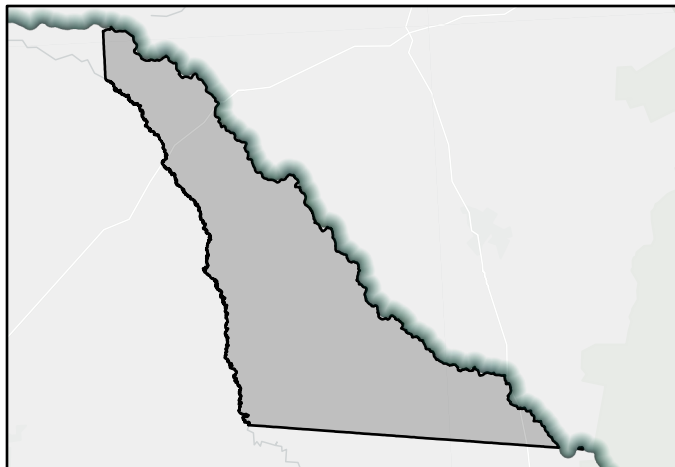## 100-Year Flood Risk Reduction

Population removed from 100-yr | 286 | # of structures removed from 100-yr | 101

Critical facilities removed from 100-yr | 4 | Farm/Ranch land removed from 100-yr (acres) | 45

Road removed from 100-yr (miles) | 0 | Low water crossings removed from 100-yr | 0

Other benefits | - | Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No | Negative impacts description | -

Water supply contributions? | No | Water supply contribution description | -

Estimated Cost

Strategy Cost | $50,000 | Amount of available funding | - | % Nature-Based | 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   City of Daisetta Education of City Council on Mitigation Benefits

ID#   052000019   Sponsor   Daisetta (Municipality)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Education and Outreach   County   Liberty

Strategy description   Educate City Council on benefits of mitigation and encourage council members to become more involved.

Goal(s)   Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 0   # of structures   0   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   No   Playa?   No   Other?   Yes

Farm/Ranch land impacted (acres) 0   Roadway(s) impacted (miles)   0

Number of low water crossings   0   Historical road closures   0

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres)   -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $10,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title | City of Nacogdoches Public Education Program

ID# | 052000020 Sponsor | Nacogdoches (Municipality)

RFPG recommend? | Yes   Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Education and Outreach | County | Nacogdoches

Strategy description | Develop and promote a public education program regarding flood hazards, NFIP, and flood plain regulations.

Goal(s) | Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 5,331 | # of structures 446 | Critical facilities 1

Flood risk type: | Riverine? Yes | Coastal? No | Local? Yes | Playa? No | Other? No

Farm/Ranch land impacted (acres) 4 | Roadway(s) impacted (miles) 14

Number of low water crossings 0 | Historical road closures 0

100-Year Flood Risk Reduction

Population removed from 100-yr - | # of structures removed from 100-yr -

Critical facilities removed from 100-yr - | Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - | Low water crossings removed from 100-yr -

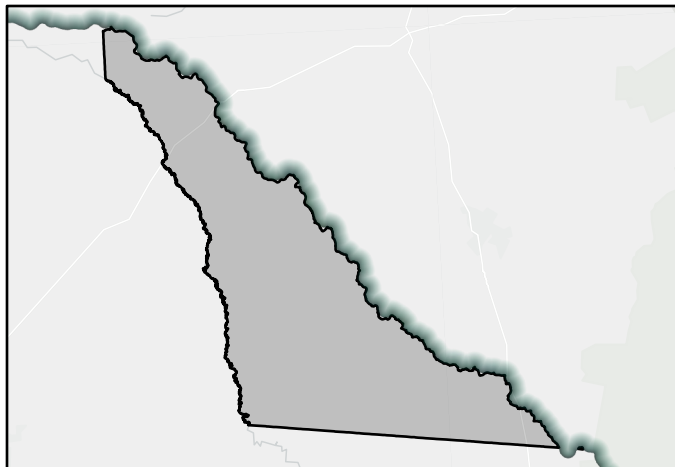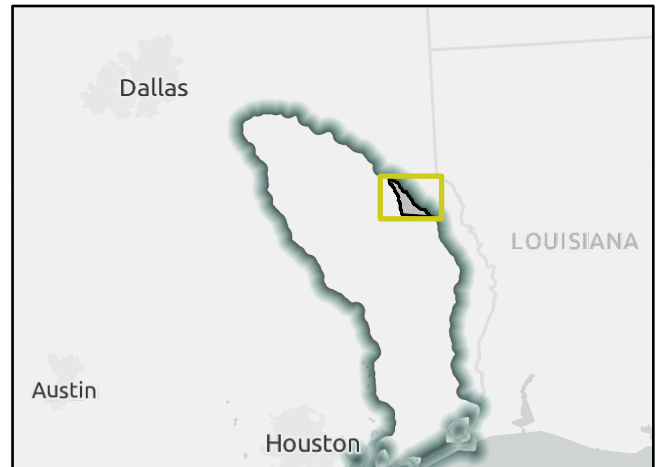Other benefits - | Reduction in # of road closures over 10 years -

Impacts

Negative impacts? No | Negative impacts description -

Water supply contributions? No | Water supply contribution description -

Estimated Cost

Strategy Cost $20,000 | Amount of available funding - | % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   Polk County Public Education Campaign

ID#   052000021   Sponsor   Polk (County)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type	Education and Outreach

County   Polk

Strategy description   Initiate public education campaign to improve the community's understanding and access to information on natural hazards and how to improve level of protection for their homes.

Goal(s)   Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk   368   # of structures   84   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   No   Playa?   No   Other?   Yes

Farm/Ranch land impacted (acres)   62   Roadway(s) impacted (miles)   17

Number of low water crossings   8   Historical road closures   8

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres)   -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

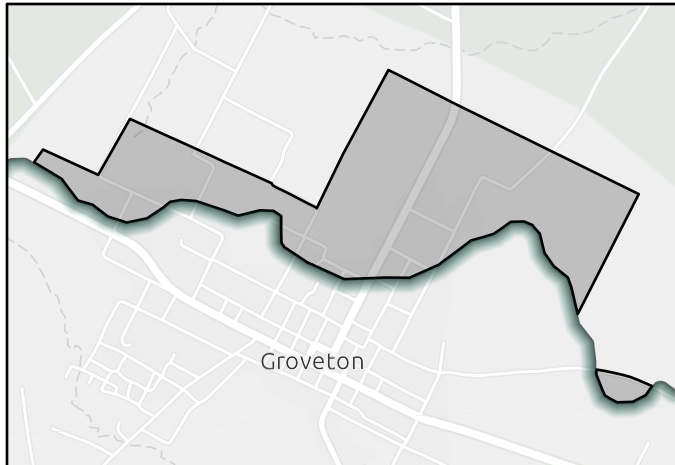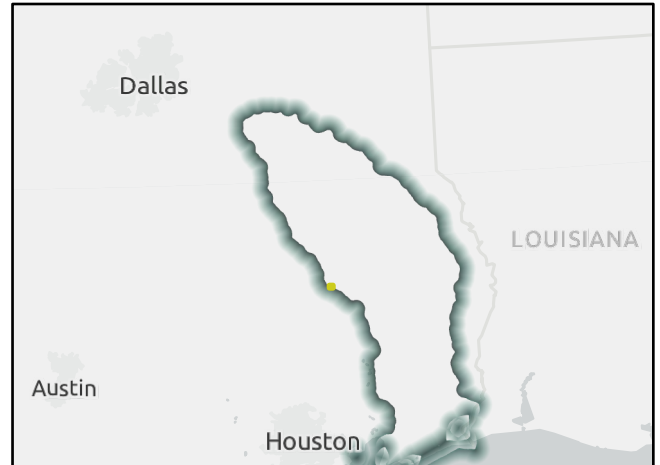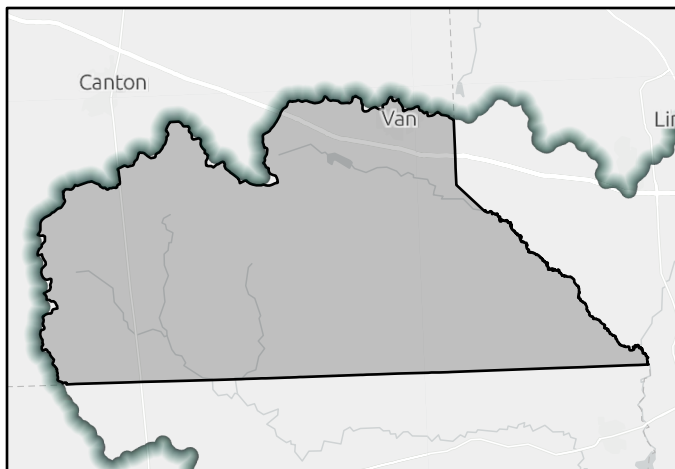Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $50,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: San Augustine County Public Education on Mitigation Techniques

ID# 052000022 Sponsor: San Augustine (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Education and Outreach County: San Augustine

Strategy description: Includes programs in schools and senior citizen centers, pamphlets, and community meetings.

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 146 # of structures: 64 Critical facilities: 0

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 42 Roadway(s) impacted (miles): 13

Number of low water crossings: 2 Historical road closures: 2

100-Year Flood Risk Reduction

Population removed from 100-yr: - # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: - Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): - Low water crossings removed from 100-yr: -

Other benefits: - Reduction in # of road closures over 10 years: -

Impacts
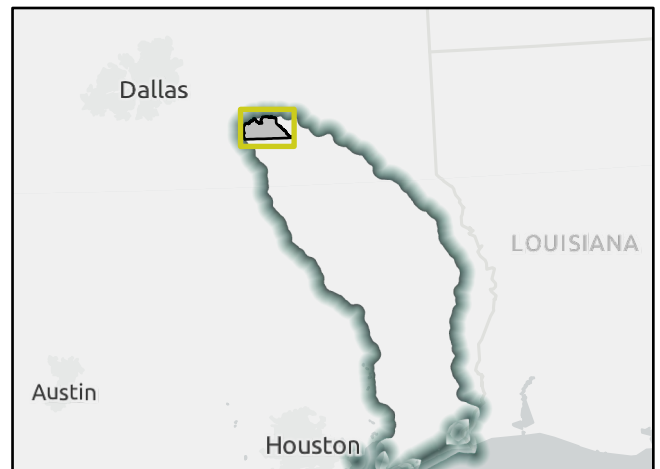
Negative impacts? No Negative impacts description: -

Water supply contributions? No Water supply contribution description: -

Estimated Cost

Strategy Cost: $10,600 Amount of available funding: - % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title | Shelby County Public Education on Hazards

ID# | 052000023 | Sponsor | Shelby (County)

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Education and Outreach | County | Shelby

Strategy description | Educate the residents of Shelby County and participating jurisdictions on safety and planning for the hazards identified in this plan

Goal(s) | Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk | 8 | # of structures | 15 | Critical facilities | 0

Flood risk type: | Riverine? | Yes | Coastal? | No | Local? | Yes | Playa? | No | Other? | No

Farm/Ranch land impacted (acres) | 56 | Roadway(s) impacted (miles) | 5

Number of low water crossings | 4 | Historical road closures | 4
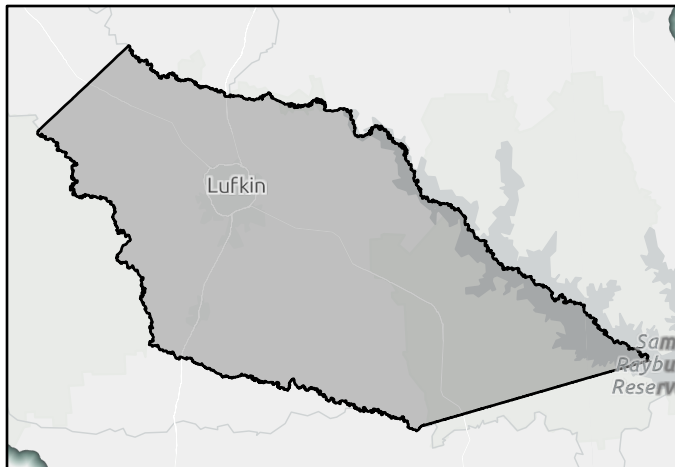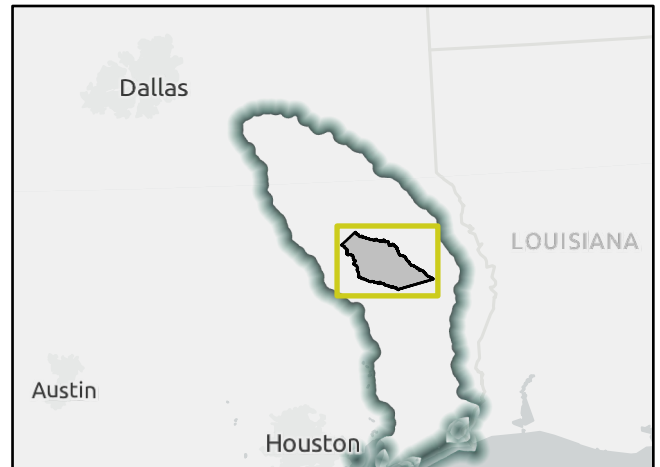
100-Year Flood Risk Reduction

Population removed from 100-yr | - | # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | - | Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | - | Low water crossings removed from 100-yr | -

Other benefits | - | Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No | Negative impacts description | -

Water supply contributions? | No | Water supply contribution description | -

Estimated Cost

Strategy Cost | $50,000 | Amount of available funding | - | % Nature-Based | 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title	City of Groveton Public Education on Mitigation Actions
ID#	052000024
Sponsor	Groveton (Municipality)
RFPG recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

Strategy Details

Strategy type	Education and Outreach	County: Trinity
Strategy description	Create a program to educate the public about specific mitigation actions for multiple hazards	

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 2	# of structures 3	Critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres) 0	Roadway(s) impacted (miles) 0
Number of low water crossings 0	Historical road closures 0

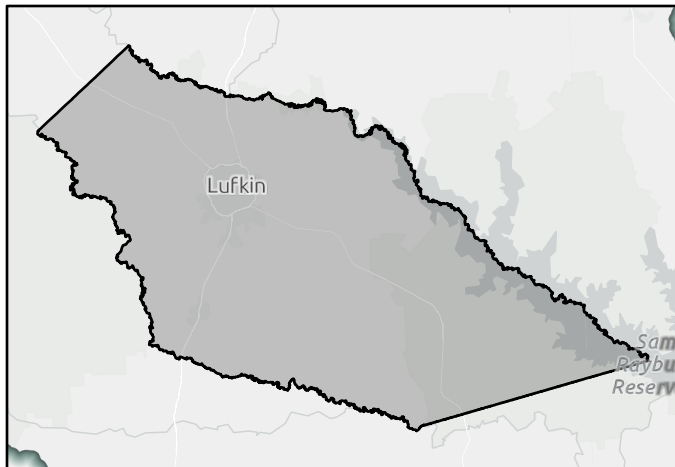## 100-Year Flood Risk Reduction

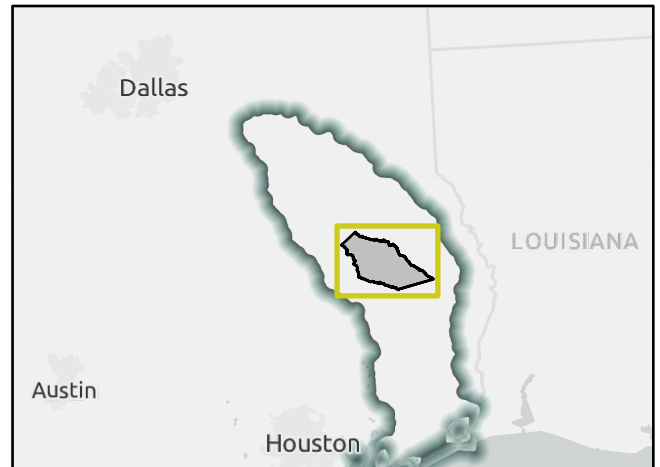|	
Population removed from 100-yr -	# of structures removed from 100-yr -
Critical facilities removed from 100-yr -	Farm/Ranch land removed from 100-yr (acres) -
Road removed from 100-yr (miles) -	Low water crossings removed from 100-yr -
Other benefits -	Reduction in # of road closures over 10 years -

Impacts

Negative impacts? No	Negative impacts description	-
Water supply contributions? No	Water supply contribution description	-

Estimated Cost

Strategy Cost $5,100	Amount of available funding -	% Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: Trinity County Public Education on Mitigation Actions

ID#: 052000025 Sponsor: Trinity (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Education and Outreach   County: Trinity

Strategy description: Create a program to educate the public about specific mitigation actions for multiple hazards

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 15   # of structures: 32   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 68   Roadway(s) impacted (miles): 22

Number of low water crossings: 1   Historical road closures: 1

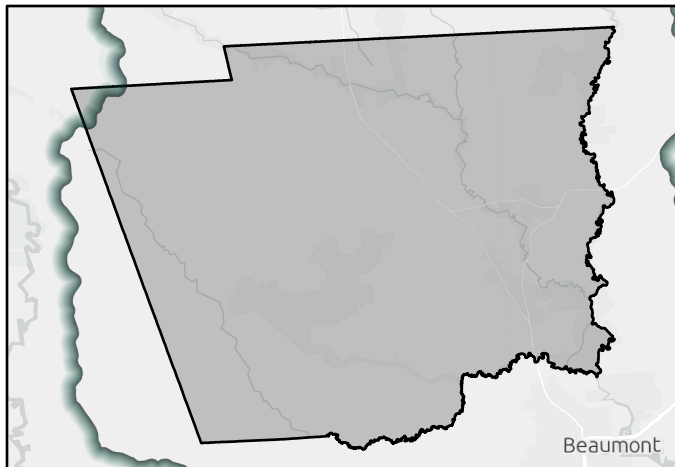## 100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

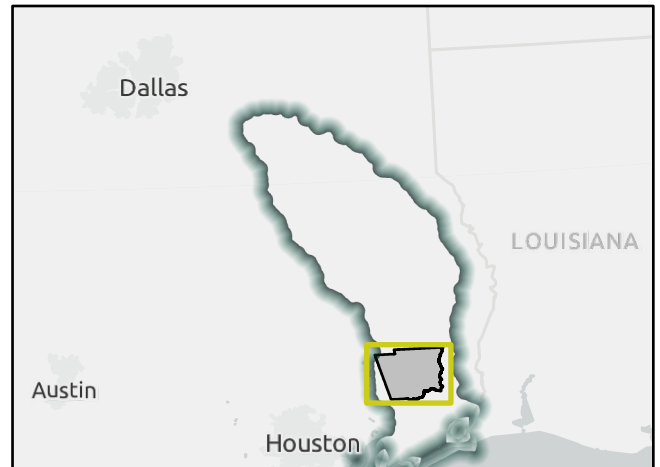Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $10,200   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: Anderson County Code Red System

ID#: 052000026   Sponsor: Anderson (County)

RFPG recommend?: Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Flood Measurement and Warning   County: Anderson

Strategy description: Plan and implement a new publicity campaign to expand enrollment in CODE RED notification system; use CODE RED to warn of impending hazard events.

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 73   # of structures: 69   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 348   Roadway(s) impacted (miles): 22

Number of low water crossings: 2   Historical road closures: 2

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $100,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Angelina County Siren Warning System Installation

ID# 052000027   Sponsor: Angelina (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Flood Measurement and Warning   County: Angelina

Strategy description: Install warning siren system.

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 8,420   # of structures: 1,201   Critical facilities: 11

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 165   Roadway(s) impacted (miles): 66

Number of low water crossings: 19   Historical road closures: 19
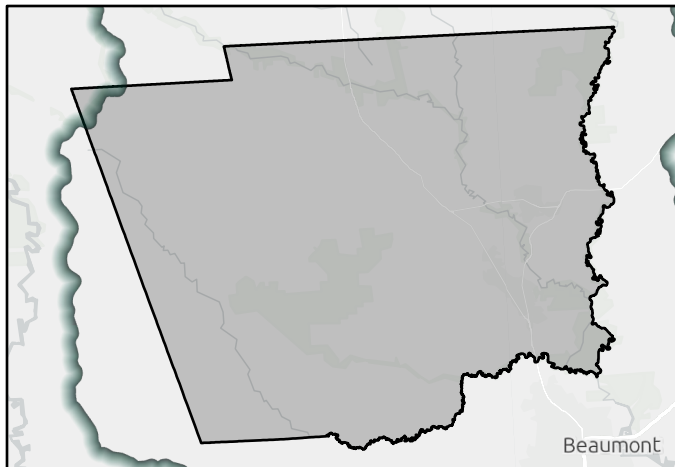
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

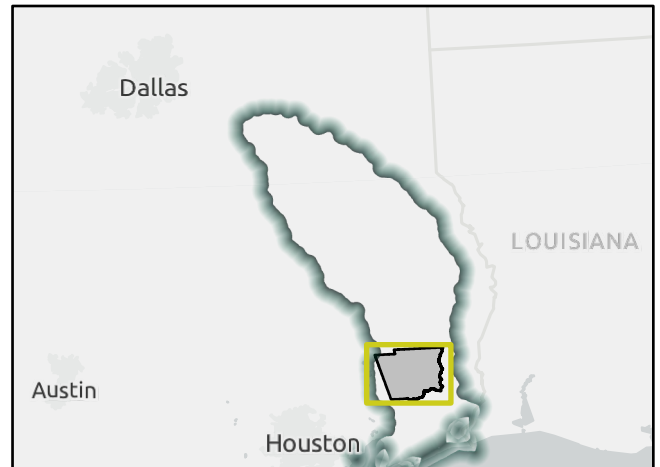Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $209,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Houston County Alert/Notification System Installation

ID#: 052000028   Sponsor: Houston (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Flood Measurement and Warning   County: Houston

Strategy description: Purchase and install I-info alert/notification system including one user license per jurisdiction or participating entity.

Goal(s):
Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 16   # of structures: 17   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 117   Roadway(s) impacted (miles): 20

Number of low water crossings: 7   Historical road closures: 7

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

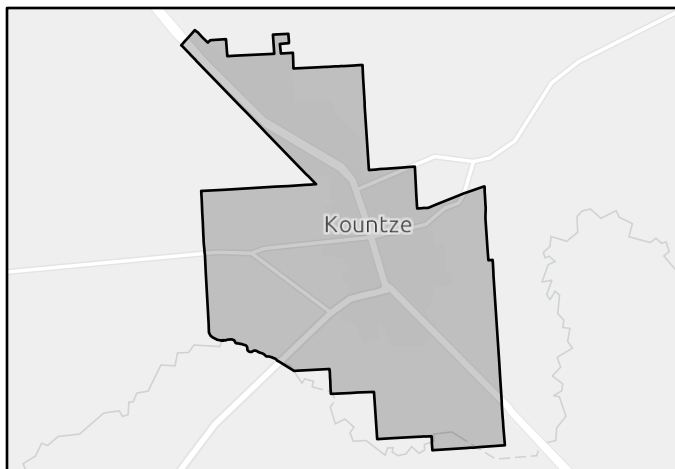Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

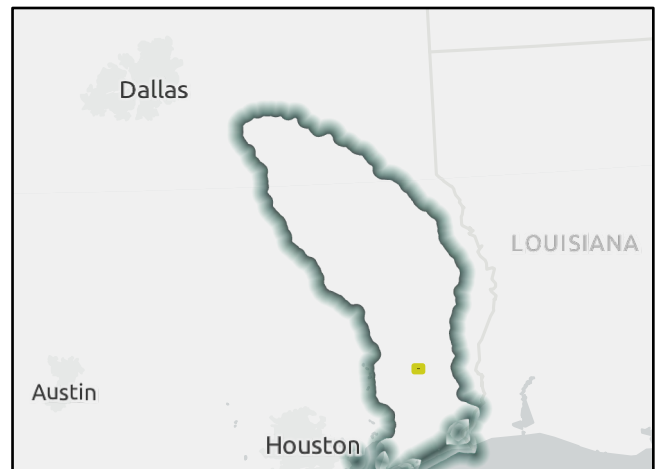Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $602,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: Houston County Gage Installation and Monitoring

ID# 052000029   Sponsor: Houston (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Flood Measurement and Warning   County: Houston

Strategy description: Install stream and rain gauges in flood prone areas and waterways as part of overall rainfall tracking, recording program, and new alert notification system.

Goal(s):
Goal 1: Increase the number of gauges across the Neches basin to cover 50% of the region's HUC10s.
Goal 2: Increase the number of gauges across the Neches basin to cover 100% of the region's HUC10s.

Existing 100-Year Flood Risk

Population at risk: 16   # of structures: 17   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 117   Roadway(s) impacted (miles): 20

Number of low water crossings: 7   Historical road closures: 7
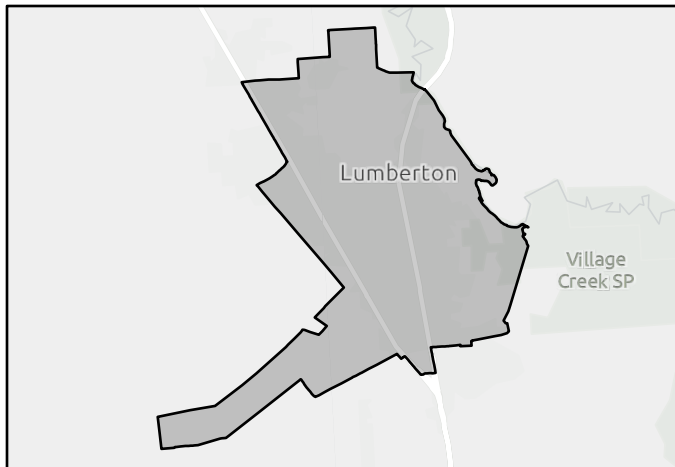
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $121,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Houston County Rainfall Observer Program

ID# 052000030   Sponsor: Houston (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Flood Measurement and Warning   County: Houston

Strategy description: Implement rainfall observer program utilizing volunteers.

Goal(s):
Goal 1: Increase the number of gauges across the Neches basin to cover 50% of the region's HUC10s.
Goal 2: Increase the number of gauges across the Neches basin to cover 100% of the region's HUC10s.

Existing 100-Year Flood Risk

Population at risk: 16   # of structures: 17   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 117   Roadway(s) impacted (miles): 20

Number of low water crossings: 7   Historical road closures: 7

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $5,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Dallas

Austin

Houston

LOUISIANA

Regional view of FMS area

Flood Management Strategy (FMS)

Title City of Brownsboro Code Red System Implementation

ID# 052000031   **Sponsor** Brownsboro (Municipality)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Flood Measurement and Warning   **County** Henderson

Strategy description Obtain access and/or incorporate the use of the automated emergency calling system, Code Red, into local emergency management plan

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 52   **# of structures** 32   **Critical facilities** 0

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** Yes   **Playa?** No   **Other?** No

Farm/Ranch land impacted (acres) 8   **Roadway(s) impacted (miles)** 1

Number of low water crossings 0   **Historical road closures** 0

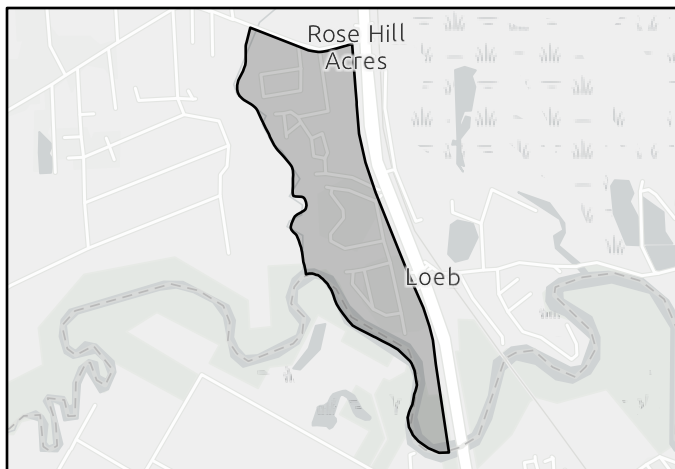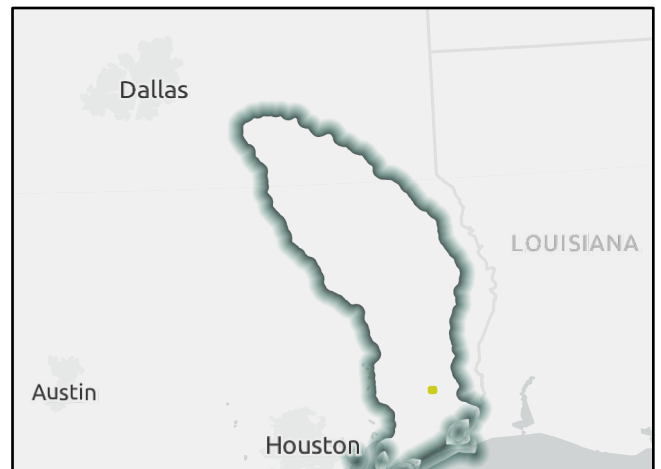## 100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $100,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: City of Chandler Warning Siren Maintenance

ID# 052000032 Sponsor: Chandler (Municipality)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Flood Measurement and Warning

County: Henderson

Strategy description: Check the location and condition of warning sirens; determine if repairs are needed

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 105   # of structures: 29   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 7   Roadway(s) impacted (miles): 1

Number of low water crossings: 0   Historical road closures: 0
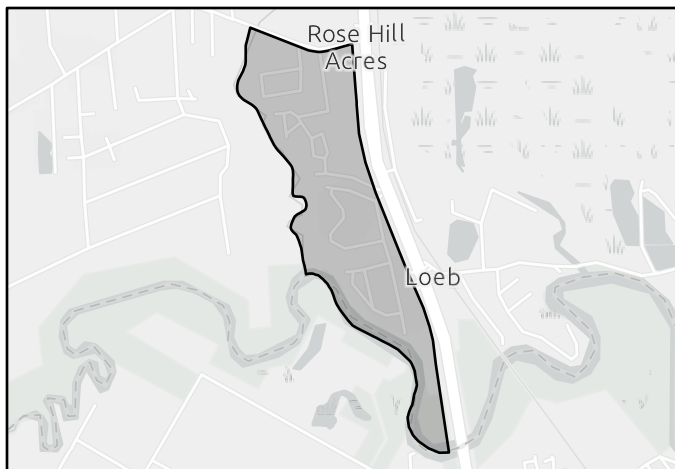
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $100,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title City of Murchison Warning Siren System Installation

ID# 052000033   **Sponsor** Murchison (Municipality)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Flood Measurement and Warning   **County** Henderson

Strategy description Obtain early warning siren system installment inside jurisdiction to assist in public notification of hazard prior to hazard occurrence

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 1   **# of structures** 3   **Critical facilities** 0

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** Yes   **Playa?** No   **Other?** No

Farm/Ranch land impacted (acres) 0   **Roadway(s) impacted (miles)** 0

Number of low water crossings 0   **Historical road closures** 0

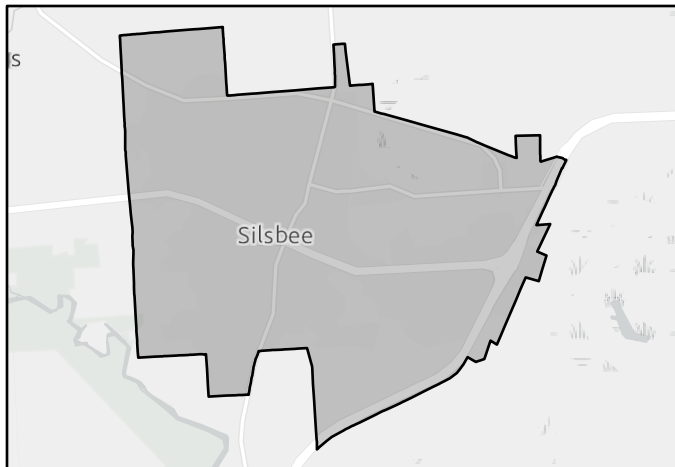## 100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $100,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   JCDD6 Increase Flood Predictive Capability for Streams and Creeks

ID#   052000034   Sponsor   Jefferson County Drainage District 6

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Flood Measurement and Warning   County   Jefferson

Strategy description   Utilize ALERT stations and work with National Weather Service to help citizens of the Bevil Oaks community better understand the flood warnings and predictions.

Goal(s)   Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk   20,772   # of structures   6,491   Critical facilities   30

Flood risk type: Riverine?   Yes   Coastal?   Yes   Local?   No   Playa?   No   Other?   Yes

Farm/Ranch land impacted (acres)   20,945   Roadway(s) impacted (miles)   215

Number of low water crossings   16   Historical road closures   16

100-Year Flood Risk Reduction

Population removed from 100-yr   286   # of structures removed from 100-yr   101

Critical facilities removed from 100-yr   4   Farm/Ranch land removed from 100-yr (acres)   45

Road removed from 100-yr (miles)   0   Low water crossings removed from 100-yr   0

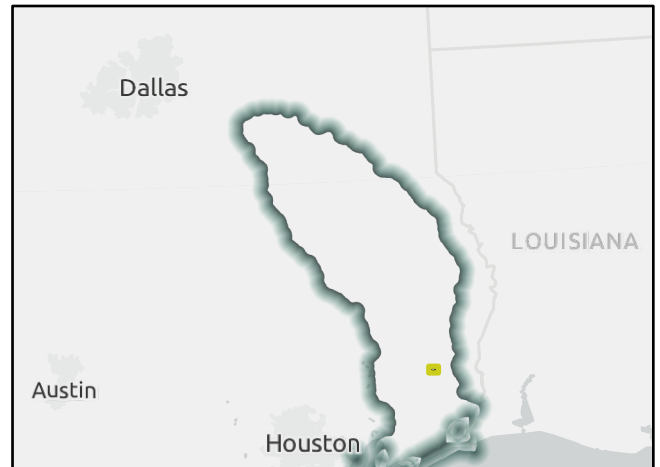Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $100,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title JCDD7 Update Data Operation System-Control Center

ID# 052000035   **Sponsor** Jefferson County Drainage District 7

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Flood Measurement and Warning   **County** Jefferson

Strategy description Will allow officials to see what pump stations are operating in real time, monitor pumps/generator conditions and status

Goal(s)
Goal 1: Increase the number of gauges across the Neches basin to cover 50% of the region's HUC10s.
Goal 2: Increase the number of gauges across the Neches basin to cover 100% of the region's HUC10s.

Existing 100-Year Flood Risk

Population at risk 17,575   **# of structures** 4,705   **Critical facilities** 82

Flood risk type: **Riverine?** Yes   **Coastal?** Yes   **Local?** No   **Playa?** No   **Other?** Yes

Farm/Ranch land impacted (acres) 876   **Roadway(s) impacted (miles)** 95

Number of low water crossings 3   **Historical road closures** 3

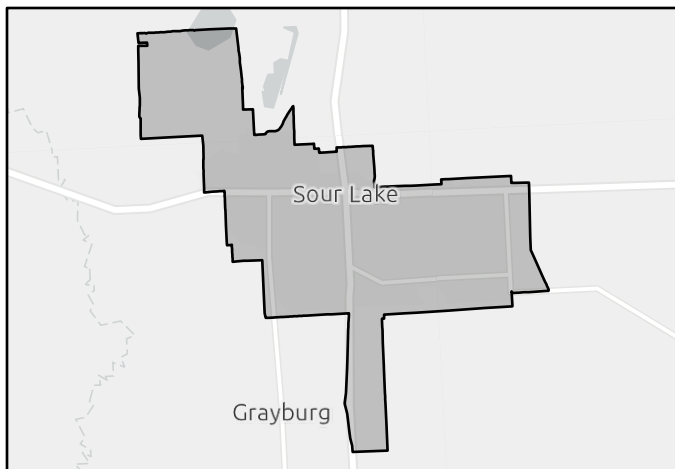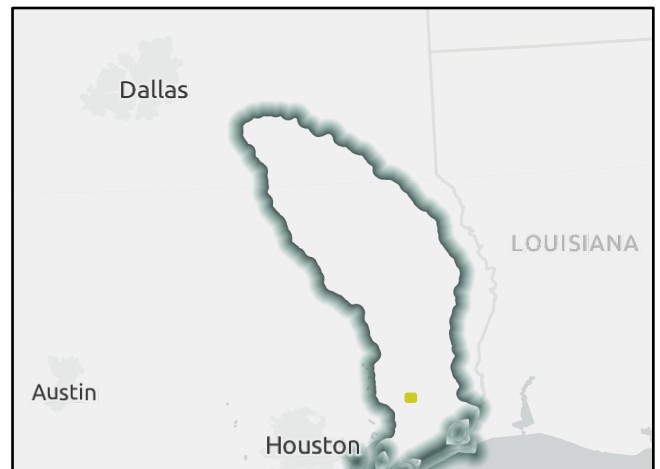## 100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $104,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title | OCDD Hazard Notification System Development

ID# | 052000036 | Sponsor | Orange County Drainage District

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Flood Measurement and Warning | | County | Orange

Strategy description | Develop employee emergency notification system to warn staff of imminent hazards/risks.

Goal(s) | Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk | 11,929 | | # of structures | 5,007 | | Critical facilities | 36

Flood risk type: | Riverine? | Yes | Coastal? | Yes | Local? | No | Playa? | No | Other? | Yes

Farm/Ranch land impacted (acres) | 346 | | Roadway(s) impacted (miles) | 136

Number of low water crossings | 20 | | Historical road closures | 20
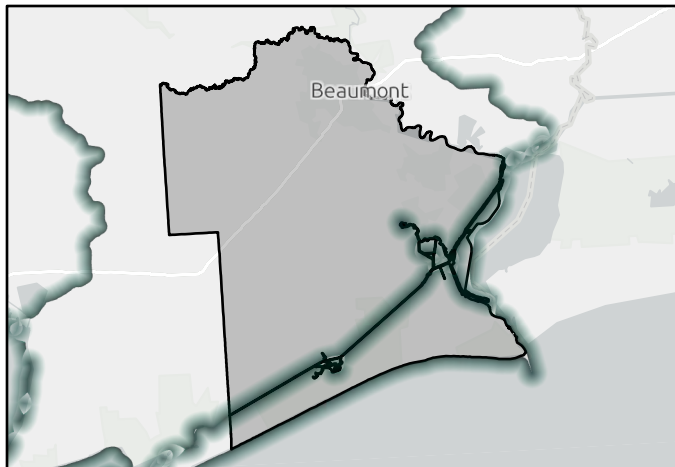
100-Year Flood Risk Reduction

Population removed from 100-yr | - | # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | - | Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | - | Low water crossings removed from 100-yr | -

Other benefits | - | Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No | Negative impacts description | -

Water supply contributions? | No | Water supply contribution description | -

Estimated Cost

Strategy Cost | $11,000 | Amount of available funding | - | % Nature-Based | 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: OCDD Installing Additional Stream Gages

ID# 052000037 Sponsor: Orange County Drainage District

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Flood Measurement and Warning County: Orange

Strategy description: Add stream gauges to the major watersheds to increase flood predictive capability for streams and creeks that affect OCDD (stream gages)

Goal(s):
Goal 1: Increase the number of gauges across the Neches basin to cover 50% of the region's HUC10s.
Goal 2: Increase the number of gauges across the Neches basin to cover 100% of the region's HUC10s.

Existing 100-Year Flood Risk

Population at risk: 11,929 # of structures: 5,007 Critical facilities: 36

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes

Farm/Ranch land impacted (acres): 346 Roadway(s) impacted (miles): 136

Number of low water crossings: 20 Historical road closures: 20

100-Year Flood Risk Reduction

Population removed from 100-yr: - # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: - Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): - Low water crossings removed from 100-yr: -

Other benefits: - Reduction in # of road closures over 10 years: -
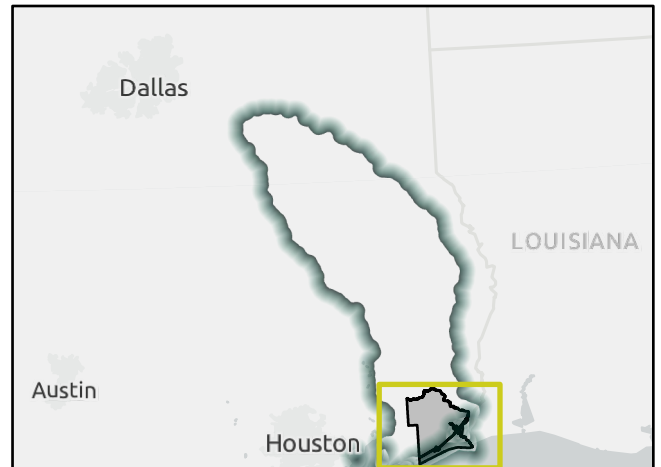
Impacts

Negative impacts? No Negative impacts description: -

Water supply contributions? No Water supply contribution description: -

Estimated Cost

Strategy Cost: $534,000 Amount of available funding: - % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Polk County Improved Hazard Communication

ID# 052000038   Sponsor: Polk (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Flood Measurement and Warning   County: Polk

Strategy description: Upgrade and expand implementation of natural hazard warning systems and methods.

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 368   # of structures: 84   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 62   Roadway(s) impacted (miles): 17

Number of low water crossings: 8   Historical road closures: 8
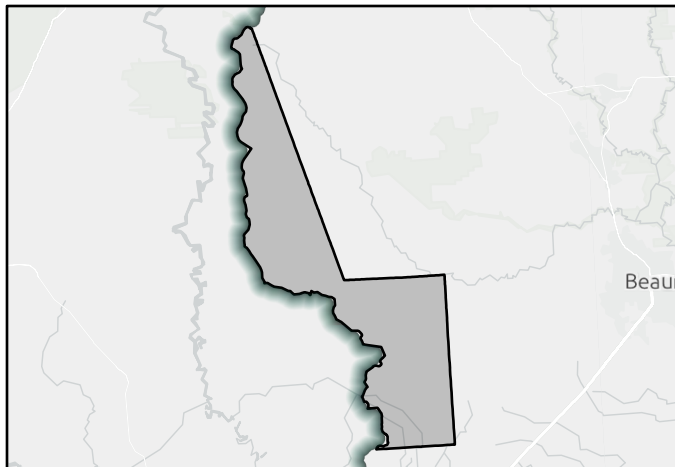
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

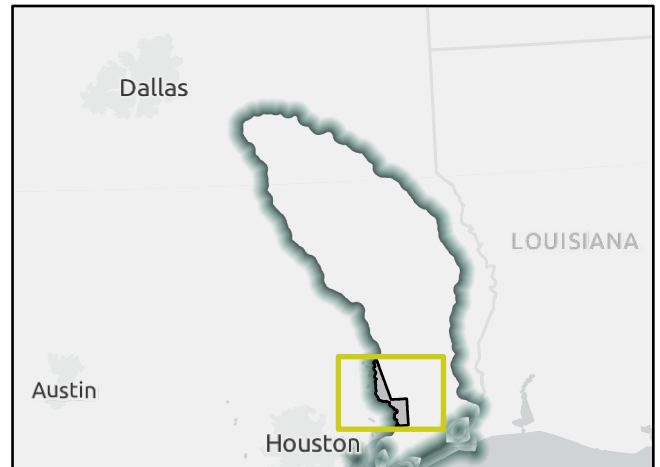Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $3,110,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title Shelby County Electronic Hazard Warning Message Board Acquisition

ID# 052000039 **Sponsor** Shelby (County)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Strategy Details

Strategy type Flood Measurement and Warning **County** Shelby

Strategy description Acquire electronic message board for use during disaster response and recovery operations

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 8 **# of structures** 15 **Critical facilities** 0

Flood risk type: **Riverine?** Yes **Coastal?** No **Local?** Yes **Playa?** No **Other?** No

Farm/Ranch land impacted (acres) 56 **Roadway(s) impacted (miles)** 5

Number of low water crossings 4 **Historical road closures** 4

100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

Other benefits - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $111,000 **Amount of available funding** - **% Nature-Based** 0

FMS area

Dallas

Austin

Houston

LOUISIANA

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

Title: Shelby County Warning Siren Installation

ID#: 052000040 Sponsor: Shelby (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Flood Measurement and Warning   County: Shelby

Strategy description: Install warning sirens at strategic locations for use during disaster events

Goal(s): Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk: 8   # of structures: 15   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 56   Roadway(s) impacted (miles): 5

Number of low water crossings: 4   Historical road closures: 4

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $3,319,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title | City of Groveton Warning System Upgrades

ID# | 052000041 | Sponsor | Groveton (Municipality)

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Flood Measurement and Warning | County | Trinity

Strategy description | Implement, upgrade, expand, and integrate digital methods for storm notification to include all methods of communication including: cell phones, text messages, land-lines, internet networking sites, television, and radio.

Goal(s) | Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk | 2 | # of structures | 3 | Critical facilities | 0

Flood risk type: | Riverine? | Yes | Coastal? | No | Local? | Yes | Playa? | No | Other? | No

Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (miles) | 0

Number of low water crossings | 0 | Historical road closures | 0

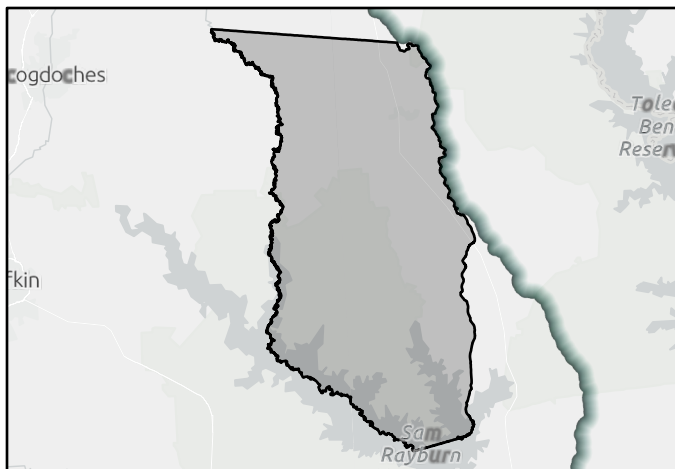## 100-Year Flood Risk Reduction

Population removed from 100-yr | - | # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | - | Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | - | Low water crossings removed from 100-yr | -

Other benefits | - | Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No | Negative impacts description | -

Water supply contributions? | No | Water supply contribution description | -

Estimated Cost

Strategy Cost | $11,000 | Amount of available funding | - | % Nature-Based | 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title Van Zandt County Warning System Acquisition

ID# 052000042   **Sponsor** Van Zandt (County)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Flood Measurement and Warning   **County** Van Zandt

Strategy description Acquire and Install Warning Systems throughout the County, including Incorporated Jurisdictions. Reduce risk to citizens through improved communications and early warning.

Goal(s) Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 233   **# of structures** 217   **Critical facilities** 0

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** Yes   **Playa?** No   **Other?** Yes

Farm/Ranch land impacted (acres) 232   **Roadway(s) impacted (miles)** 13

Number of low water crossings 0   **Historical road closures** 0

100-Year Flood Risk Reduction
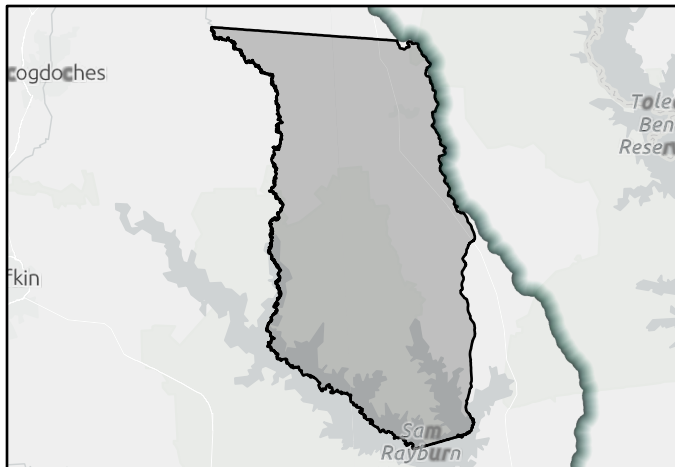
Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $82,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   Angelina County Property Acquisition

ID#   052000043   Sponsor   Angelina (County)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Property Acquisition and Structural Elevation   County   Angelina

Strategy description   Acquire repetitive loss properties.

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk   8,420   # of structures   1,201   Critical facilities   11

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   Yes   Playa?   No   Other?   Yes

Farm/Ranch land impacted (acres)   165   Roadway(s) impacted (miles)   66

Number of low water crossings   19   Historical road closures   19

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres)   -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

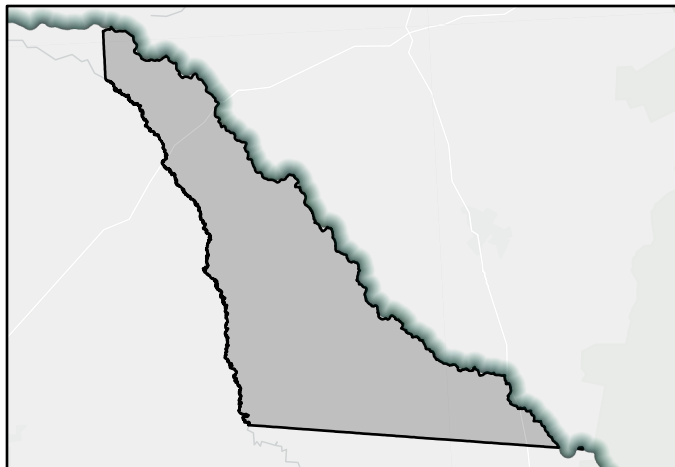Other benefits   -   Reduction in # of road closures over 10 years   -

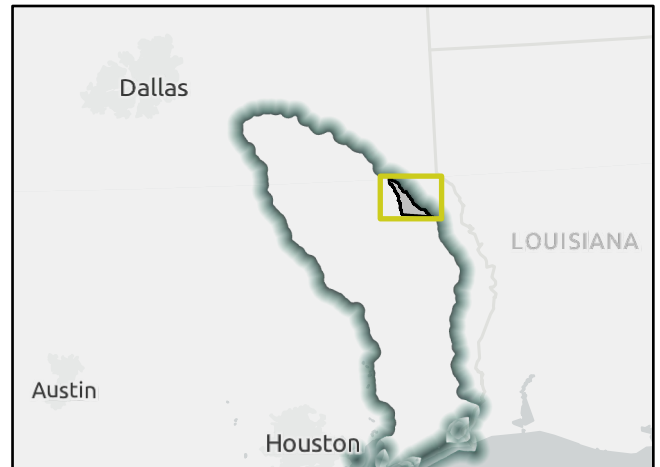## Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $2,100,000   Amount of available funding   -   % Nature-Based   100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   Angelina County Property Elevation

ID#   052000044   Sponsor   Angelina (County)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Property Acquisition and Structural Elevation   County   Angelina

Strategy description   Elevate properties in the floodplain.

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk   8,420   # of structures   1,201   Critical facilities   11

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   Yes   Playa?   No   Other?   Yes

Farm/Ranch land impacted (acres)   165   Roadway(s) impacted (miles)   66

Number of low water crossings   19   Historical road closures   19

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres)   -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

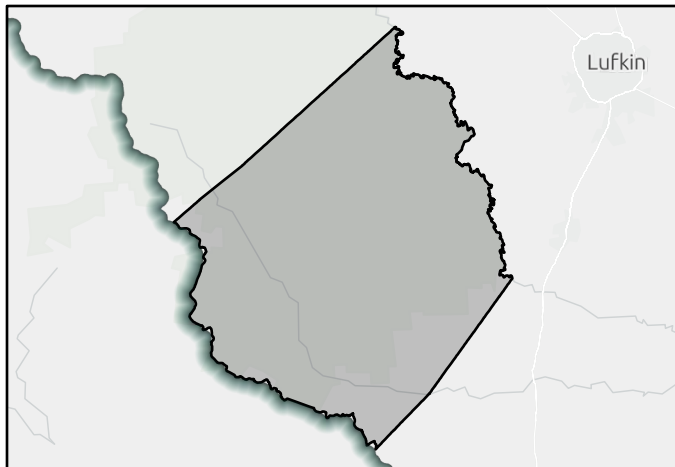Other benefits   -   Reduction in # of road closures over 10 years   -

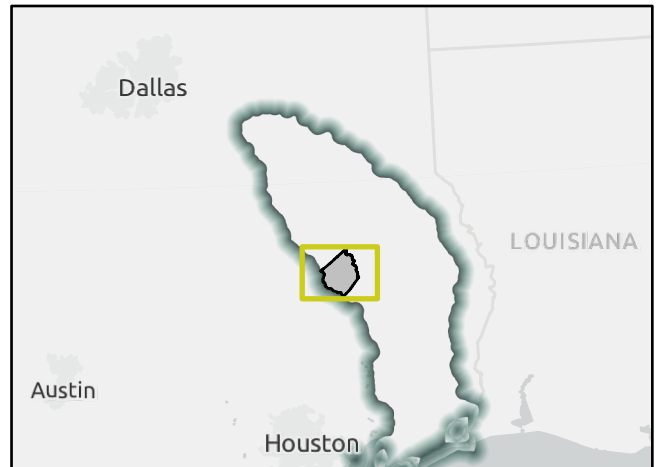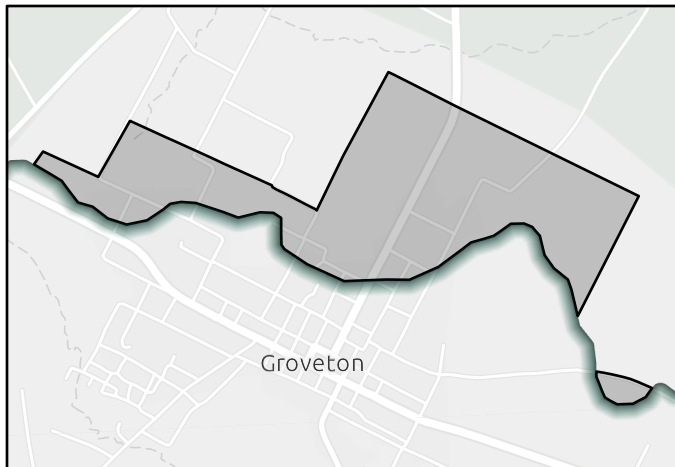## Impacts

Negative impacts?   No   Negative impacts description   -
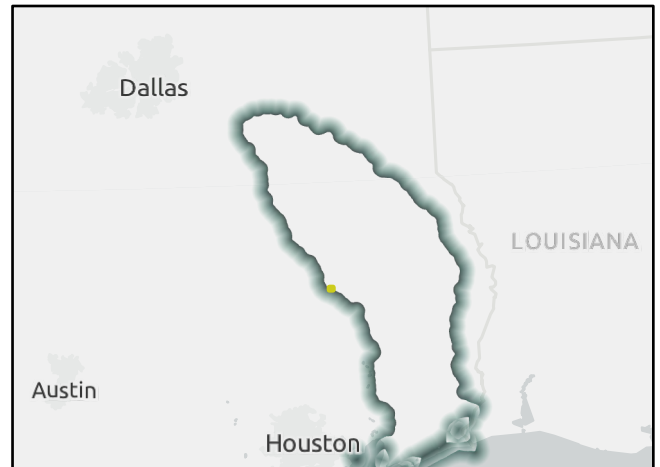
Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $630,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title | Hardin County Voluntary Flood Buyout

ID# | 052000045   Sponsor | Hardin (County)

RFPG recommend? | Yes   Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Property Acquisition and Structural Elevation   County | Hardin

Strategy description | Voluntary flood buyouts.

Goal(s) | Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk | 10,528   # of structures | 3,678   Critical facilities | 25

Flood risk type: | Riverine? | Yes   Coastal? | No   Local? | No   Playa? | No   Other? | Yes

Farm/Ranch land impacted (acres) | 743   Roadway(s) impacted (miles) | 136

Number of low water crossings | 13   Historical road closures | 13

100-Year Flood Risk Reduction

Population removed from 100-yr | -   # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | -   Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | -   Low water crossings removed from 100-yr | -

Other benefits | -   Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No   Negative impacts description | -

Water supply contributions? | No   Water supply contribution description | -

Estimated Cost

Strategy Cost | $4,000,000   Amount of available funding | -   % Nature-Based | 100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Voluntary Residential Structure Elevation

ID# 052000046   Sponsor: Hardin (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Property Acquisition and Structural Elevation   County: Hardin

Strategy description: Voluntary elevations of flood prone properties in Hardin County.

Goal(s): Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk: 10,528   # of structures: 3,678   Critical facilities: 25

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 743   Roadway(s) impacted (miles): 136

Number of low water crossings: 13   Historical road closures: 13
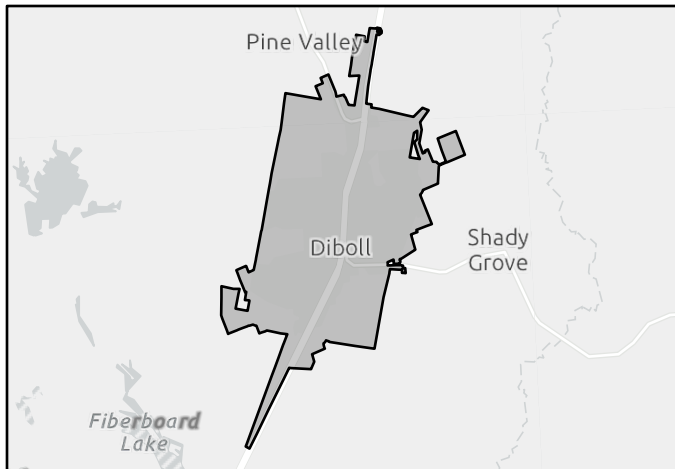
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -
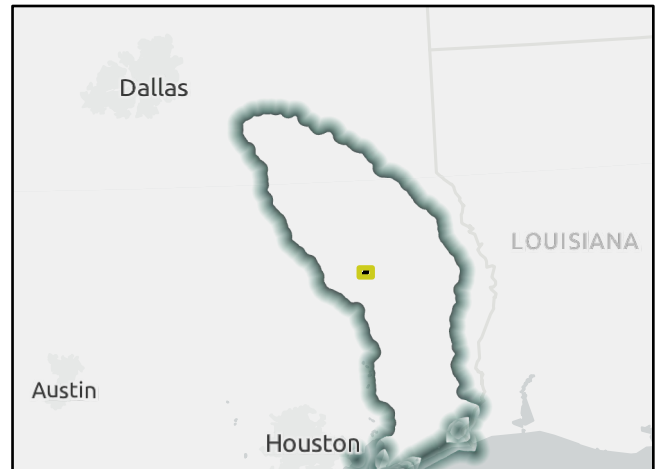
Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $7,500,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: City of Kountze Flood Buyout

ID# 052000047   Sponsor: Kountze (Municipality)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Property Acquisition and Structural Elevation   County: Hardin

Strategy description: Voluntary flood buyouts.

Goal(s): Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk: 2   # of structures: 3   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 0   Roadway(s) impacted (miles): 1

Number of low water crossings: 0   Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

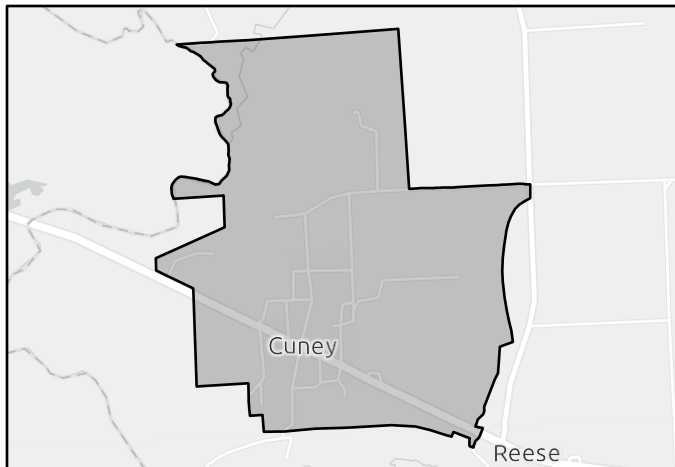Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

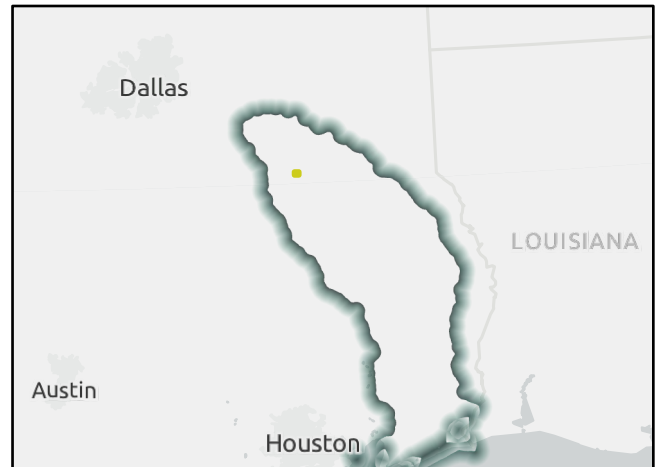Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $6,000,000   Amount of available funding: -   % Nature-Based: 100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

Title   City of Lumberton Voluntary Flood Buyout

ID#   052000048   Sponsor   Lumberton (Municipality)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Property Acquisition and Structural Elevation   County   Hardin

Strategy description   Voluntary flood buyouts.

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 658   # of structures   235   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   No   Playa?   No   Other?   Yes

Farm/Ranch land impacted (acres) 23   Roadway(s) impacted (miles)   4

Number of low water crossings   1   Historical road closures   1

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $6,000,000   Amount of available funding   -   % Nature-Based   100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title City of Rose Hill Acres Voluntary Flood Buyout

ID# 052000049   Sponsor Rose Hill Acres (Municipality)

RFPG recommend? Yes   Reason for Recommendation Complies with RFPG Goals

Strategy Details

Strategy type Property Acquisition and Structural Elevation   County Hardin

Strategy description Voluntary flood buyouts.

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 278   # of structures 134   Critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? No

Farm/Ranch land impacted (acres) 0   Roadway(s) impacted (miles) 2

Number of low water crossings 0   Historical road closures 0

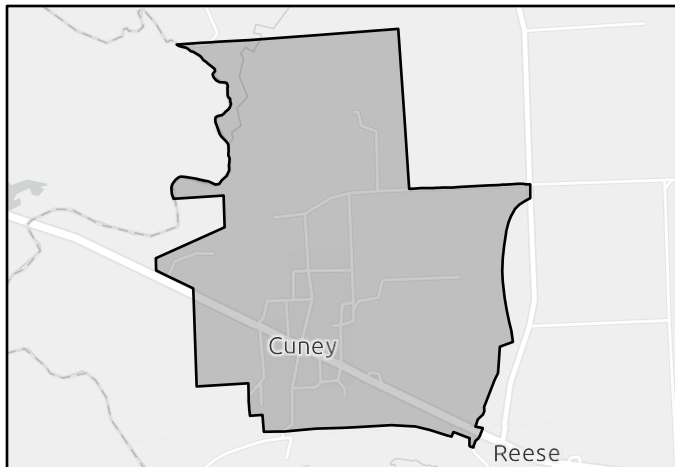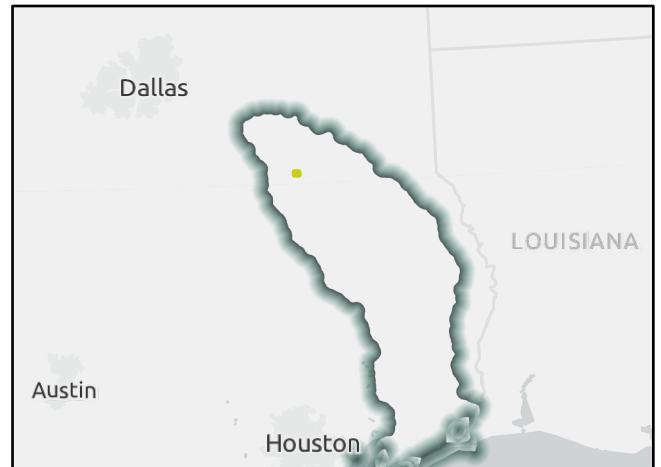## 100-Year Flood Risk Reduction

Population removed from 100-yr -   # of structures removed from 100-yr -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) -   Low water crossings removed from 100-yr -

Other benefits -   Reduction in # of road closures over 10 years -

Impacts

Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost

Strategy Cost $5,000,000   Amount of available funding -   % Nature-Based 100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   City of Rose Hill Acres Voluntary Residential Structure Elevation

ID#   052000050   **Sponsor**   Rose Hill Acres (Municipality)

RFPG recommend?   Yes   **Reason for Recommendation**   Complies with RFPG Goals

Strategy Details

Strategy type   Property Acquisition and Structural Elevation   **County**   Hardin

Strategy description   Voluntary elevations of flood prone properties in Rose Hill Acres.

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk   278   **# of structures**   134   **Critical facilities**   0

Flood risk type: **Riverine?**   Yes   **Coastal?**   No   **Local?**   No   **Playa?**   No   **Other?**   No

Farm/Ranch land impacted (acres)   0   **Roadway(s) impacted (miles)**   2

Number of low water crossings   0   **Historical road closures**   0
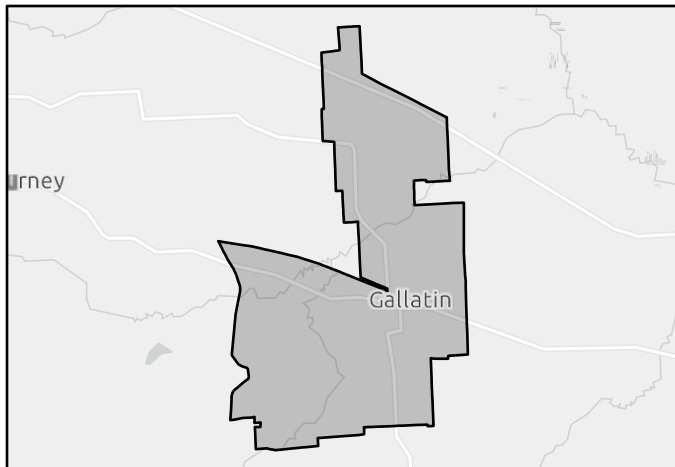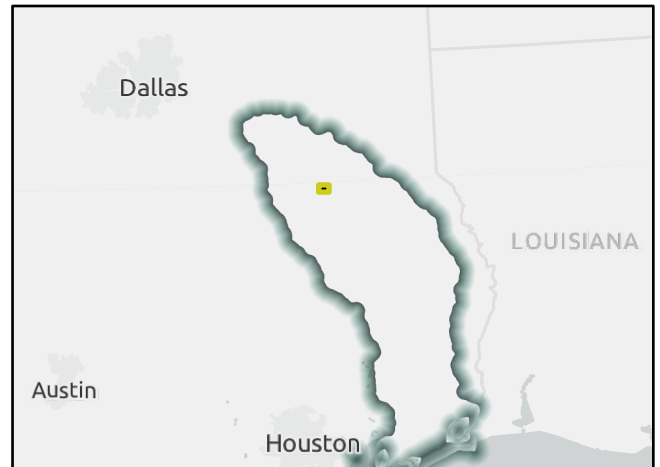
100-Year Flood Risk Reduction

Population removed from 100-yr   -   **# of structures removed from 100-yr**   -

Critical facilities removed from 100-yr   -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles)   -   **Low water crossings removed from 100-yr**   -

Other benefits   -   **Reduction in # of road closures over 10 years**   -

Impacts

Negative impacts?   No   **Negative impacts description**   -

Water supply contributions?   No   **Water supply contribution description**   -

Estimated Cost

Strategy Cost $6,000,000   **Amount of available funding**   -   **% Nature-Based**   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title City of Silsbee Voluntary Flood Buyout

ID# 052000051 **Sponsor** Silsbee (Municipality)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Property Acquisition and Structural Elevation **County** Hardin

Strategy description Voluntary flood buyouts.

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 780 **# of structures** 87 **Critical facilities** 2

Flood risk type: **Riverine?** Yes **Coastal?** No **Local?** No **Playa?** No **Other?** Yes

Farm/Ranch land impacted (acres) 1 **Roadway(s) impacted (miles)** 2

Number of low water crossings 3 **Historical road closures** 3

100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

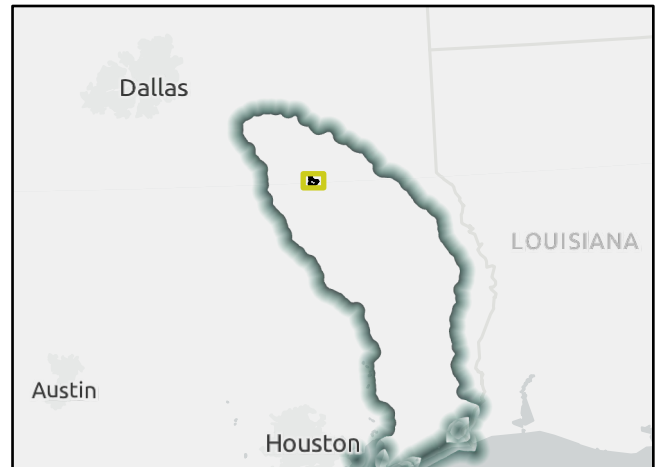**Other benefits** - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $6,000,000 **Amount of available funding** - **% Nature-Based** 100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title   City of Sour Lake Voluntary Flood Buyout

ID#   052000052   Sponsor   Sour Lake (Municipality)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Property Acquisition and Structural Elevation   County   Hardin

Strategy description   Voluntary flood buyouts.

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 1,687   # of structures   435   Critical facilities   7

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   No   Playa?   No   Other?   Yes

Farm/Ranch land impacted (acres) 7   Roadway(s) impacted (miles)   8

Number of low water crossings   3   Historical road closures   3

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $6,000,000   Amount of available funding   -   % Nature-Based   100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title | Jefferson County Property Elevation

ID# 052000053 **Sponsor** Jefferson (County)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type | Property Acquisition and Structural Elevation **County** | Jefferson

Strategy description | FIF Application; aimed to elevate houses within county subject to inundation from flooding.

Goal(s) | Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 40,765 **# of structures** 12,869 **Critical facilities** 316

Flood risk type: **Riverine?** Yes **Coastal?** Yes **Local?** No **Playa?** No **Other?** Yes

Farm/Ranch land impacted (acres) 33,019 **Roadway(s) impacted (miles)** 474

Number of low water crossings 22 **Historical road closures** 22

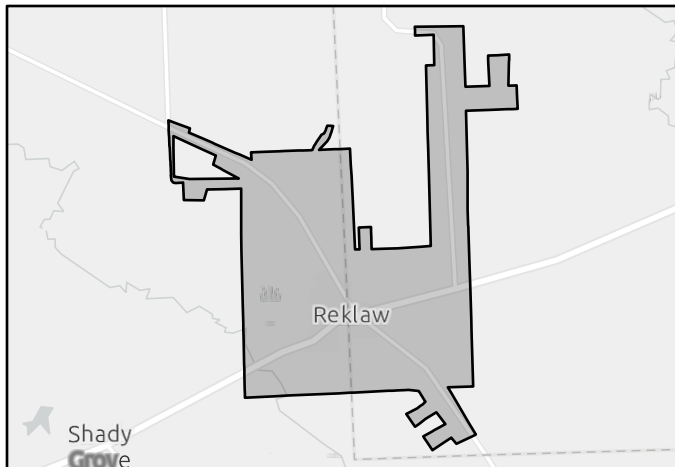## 100-Year Flood Risk Reduction

Population removed from 100-yr 286 **# of structures removed from 100-yr** 101

Critical facilities removed from 100-yr 4 **Farm/Ranch land removed from 100-yr (acres)** 45

Road removed from 100-yr (miles) 0 **Low water crossings removed from 100-yr** 0

Other benefits - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $1,110,000 **Amount of available funding** - **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Liberty County Property Acquisition

ID# 052000054 Sponsor Liberty (County)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Property Acquisition and Structural Elevation County: Liberty

Strategy description: Acquire property located in the floodplain including properties located in subdivisions along the Trinity River.

Goal(s):
Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk: 143 # of structures: 116 Critical facilities: 1

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes

Farm/Ranch land impacted (acres): 1,526 Roadway(s) impacted (miles): 7

Number of low water crossings: 0 Historical road closures: 0
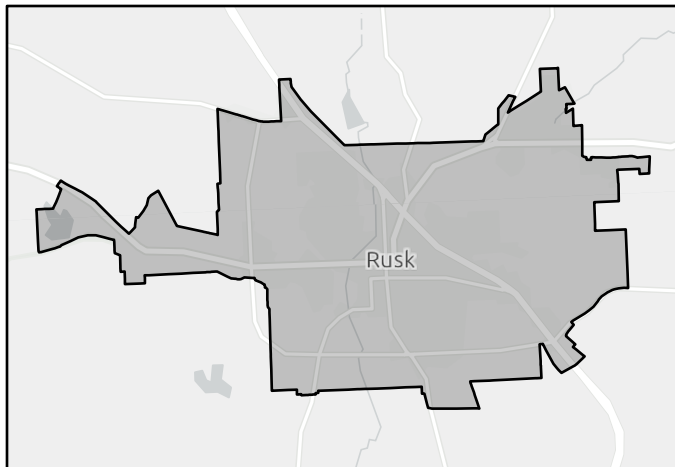
100-Year Flood Risk Reduction

Population removed from 100-yr: - # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: - Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): - Low water crossings removed from 100-yr: -

Other benefits: - Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No Negative impacts description: -

Water supply contributions? No Water supply contribution description: -

Estimated Cost

Strategy Cost: $2,140,000 Amount of available funding: - % Nature-Based: 100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title City of Nacogdoches Study and Ranking of Repetitive Loss Structures

ID# 052000055   **Sponsor** Nacogdoches (Municipality)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Property Acquisition and Structural Elevation   **County** Nacogdoches

Strategy description Analyze flood-prone properties in the City of Nacogdoches and identify appropriate mitigation options for each repetitive loss structure.

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 5,331   **# of structures** 446   **Critical facilities** 1

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres) 4   **Roadway(s) impacted (miles)** 14

Number of low water crossings 0   **Historical road closures** 0
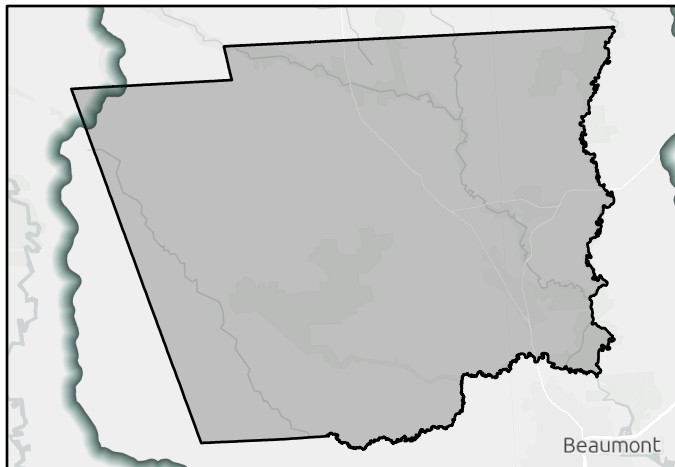
100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $327,000   **Amount of available funding** -   **% Nature-Based** 100
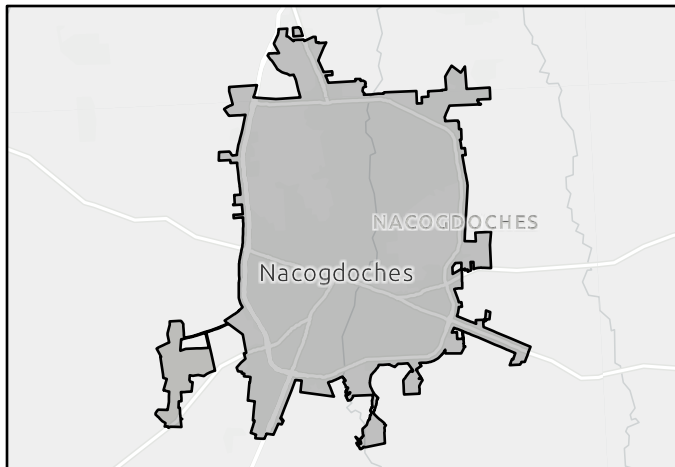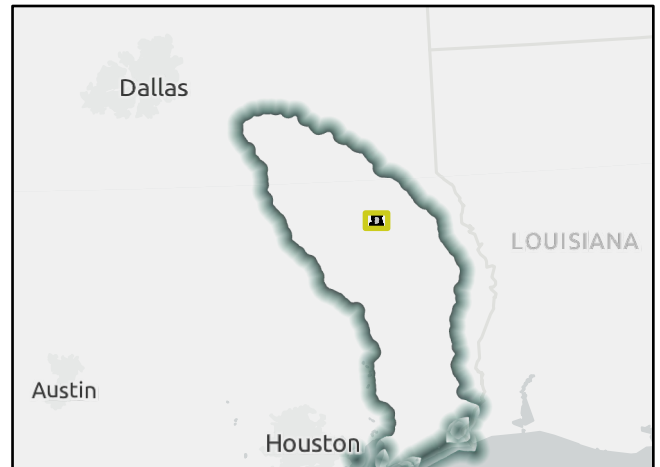
FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title | San Augustine County Acquisition and Conversion of Flood Prone Properties

ID# | 052000056 | Sponsor | San Augustine (County)

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Property Acquisition and Structural Elevation | County | San Augustine

Strategy description | Acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset.

Goal(s) | Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk | 146 | # of structures | 64 | Critical facilities | 0

Flood risk type: | Riverine? | Yes | Coastal? | No | Local? | Yes | Playa? | No | Other? | No

Farm/Ranch land impacted (acres) | 42 | Roadway(s) impacted (miles) | 13

Number of low water crossings | 2 | Historical road closures | 2

100-Year Flood Risk Reduction

Population removed from 100-yr | - | # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | - | Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | - | Low water crossings removed from 100-yr | -

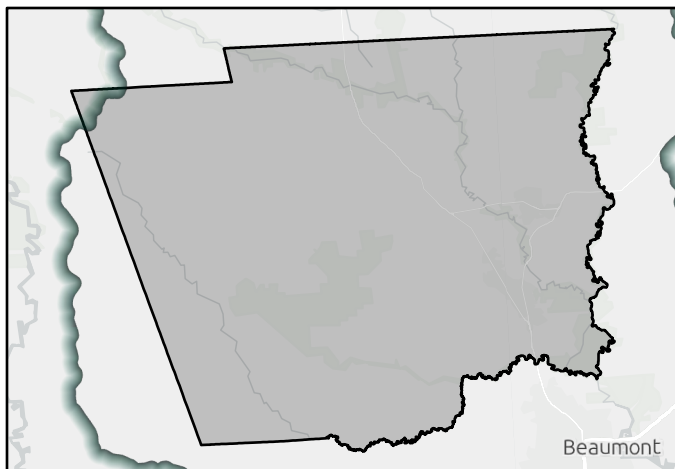Other benefits | - | Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No | Negative impacts description | -

Water supply contributions? | No | Water supply contribution description | -

Estimated Cost

Strategy Cost | $530,000 | Amount of available funding | - | % Nature-Based | 100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   San Augustine County Structure Elevation

ID#   052000057   **Sponsor**   San Augustine (County)

RFPG recommend?   Yes   **Reason for Recommendation**   Complies with RFPG Goals

Strategy Details

Strategy type   Property Acquisition and Structural Elevation   **County**   San Augustine

Strategy description   Elevate existing flood prone structures above the base flood elevation to reduce flood losses. Flood proof historical structures at risk from flooding.

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk   146   **# of structures**   64   **Critical facilities**   0

Flood risk type: **Riverine?**   Yes   **Coastal?**   No   **Local?**   Yes   **Playa?**   No   **Other?**   No

Farm/Ranch land impacted (acres)   42   **Roadway(s) impacted (miles)**   13

Number of low water crossings   2   **Historical road closures**   2

100-Year Flood Risk Reduction

Population removed from 100-yr   -   **# of structures removed from 100-yr**   -

Critical facilities removed from 100-yr   -   **Farm/Ranch land removed from 100-yr (acres)**   -

Road removed from 100-yr (miles)   -   **Low water crossings removed from 100-yr**   -

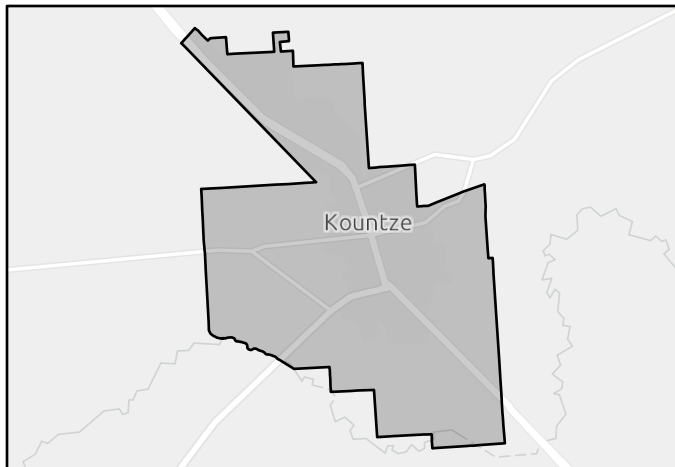**Other benefits**   -   **Reduction in # of road closures over 10 years**   -

Impacts

Negative impacts?   No   **Negative impacts description**   -

Water supply contributions?   No   **Water supply contribution description**   -

Estimated Cost

Strategy Cost $318,000   **Amount of available funding**   -   **% Nature-Based**   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title   Shelby County Property Acquisition

ID#   052000058   Sponsor   Shelby (County)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Property Acquisition and Structural Elevation   County   Shelby

Strategy description   Acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk   8   # of structures   15   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   Yes   Playa?   No   Other?   No

Farm/Ranch land impacted (acres)   56   Roadway(s) impacted (miles)   5

Number of low water crossings   4   Historical road closures   4

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres)   -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

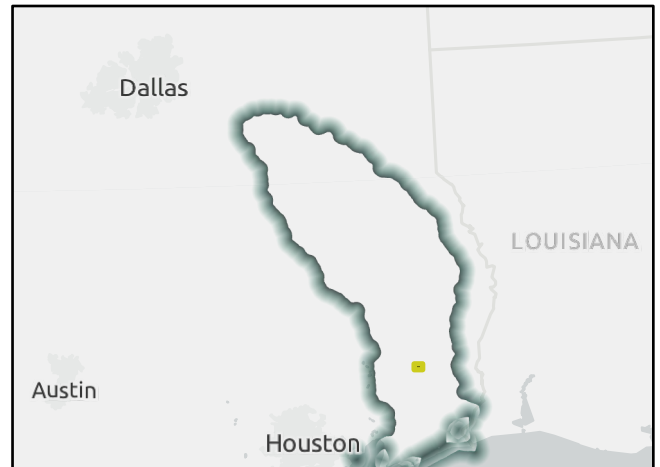Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $100,000   Amount of available funding   -   % Nature-Based   100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title Trinity County Buyout Program Implementation

ID# 052000059 Sponsor Trinity (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

Strategy Details

Strategy type Property Acquisition and Structural Elevation County Trinity

Strategy description Develop and implement a program to buyout repetitive loss properties and convert to open space, parks, boating access, trails, and/or as a general community asset.

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 15 # of structures 32 Critical facilities 0

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres) 68 Roadway(s) impacted (miles) 22

Number of low water crossings 1 Historical road closures 1

100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

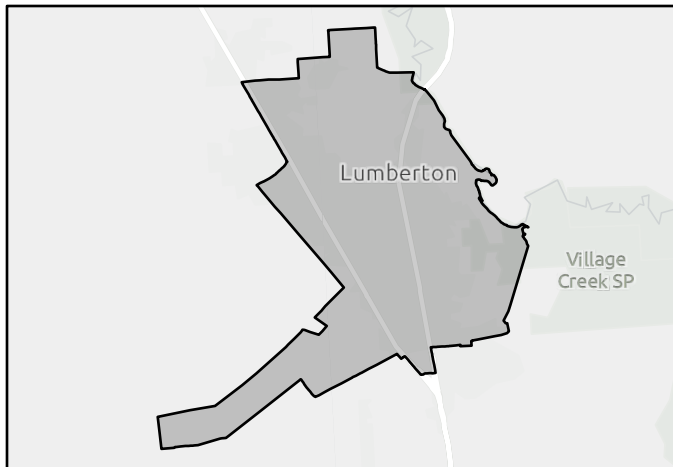Other benefits - Reduction in # of road closures over 10 years -

Impacts

Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Strategy Cost $100,000 Amount of available funding - % Nature-Based 100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title City of Groveton Buyout Program Implementation

ID# 052000060 **Sponsor** Groveton (Municipality)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Property Acquisition and Structural Elevation **County** Trinity

Strategy description Develop and implement a program to buyout repetitive loss properties and convert to open space, parks, boating access, trails, and/or as a general community asset.

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 2 **# of structures** 3 **Critical facilities** 0

Flood risk type: **Riverine?** Yes **Coastal?** No **Local?** Yes **Playa?** No **Other?** No

Farm/Ranch land impacted (acres) 0 **Roadway(s) impacted (miles)** 0

Number of low water crossings 0 **Historical road closures** 0
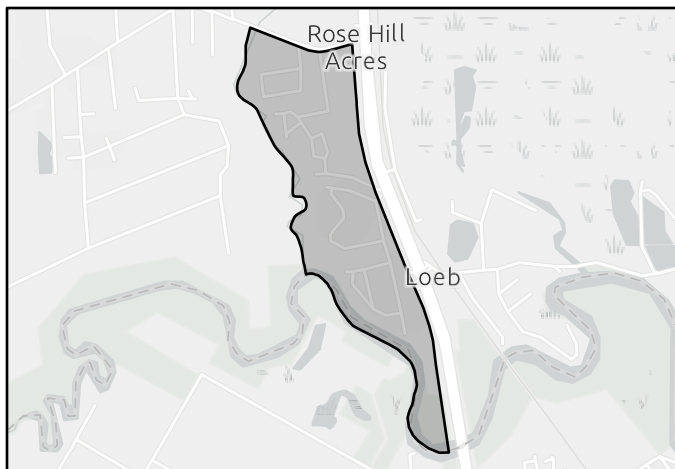
100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

Other benefits - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $100,000 **Amount of available funding** - **% Nature-Based** 100

FMS area

Regional view of FMS area

60 of 147

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title City of Diboll Ordinance and Regulation Update

ID# 052000061 **Sponsor** Diboll (Municipality)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Regulatory and Guidance **County** Angelina

Strategy description Update building code and subdivision ordinance to include restrictions on the distance a structure can be built from active streams and creeks.

Goal(s)
Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 610 **# of structures** 118 **Critical facilities** 6

Flood risk type: **Riverine?** Yes **Coastal?** No **Local?** Yes **Playa?** No **Other?** No

Farm/Ranch land impacted (acres) 1 **Roadway(s) impacted (miles)** 4

Number of low water crossings 0 **Historical road closures** 0

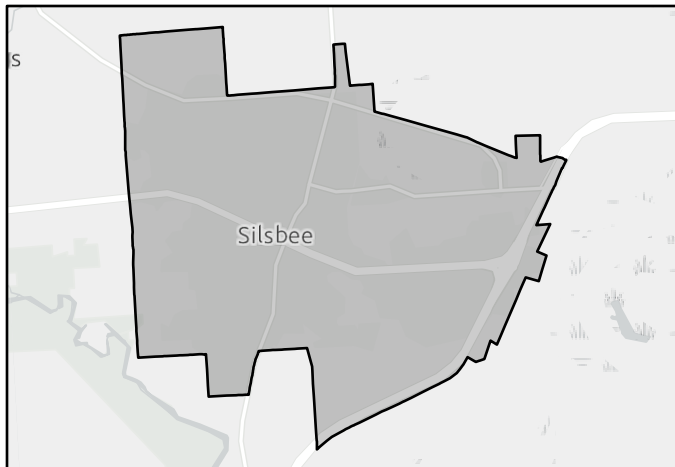## 100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

Other benefits - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $10,000 **Amount of available funding** - **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title   City of Cuney Bridge and Culvert Inspection Program

ID#   052000062   Sponsor   Cuney (Municipality)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Regulatory and Guidance   County   Cherokee

Strategy description   Plan and implement a program to regularly inspect low-lying bridges and highway culverts, clear debris, and create safe pathways for excess water runoff, to avoid flooding.

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
Goal 3: Give notice to 100% of affected units of local government and solicit funding applications for improvement or removal of 25% of Low Water Crossings identified in the latest Regional Flood Plan.

Existing 100-Year Flood Risk

Population at risk 0   # of structures   0   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   Yes   Playa?   No   Other?   No

Farm/Ranch land impacted (acres) 0   Roadway(s) impacted (miles)   0

Number of low water crossings   0   Historical road closures   0

100-Year Flood Risk Reduction
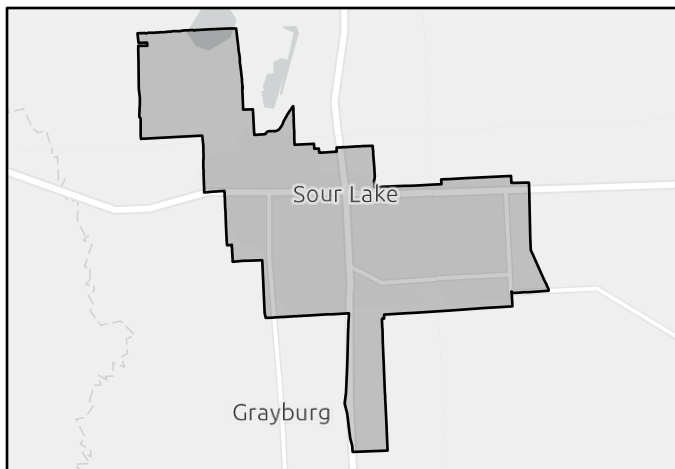
Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -
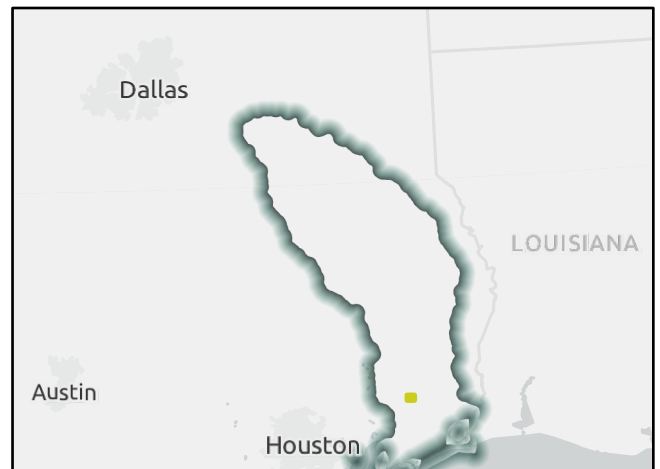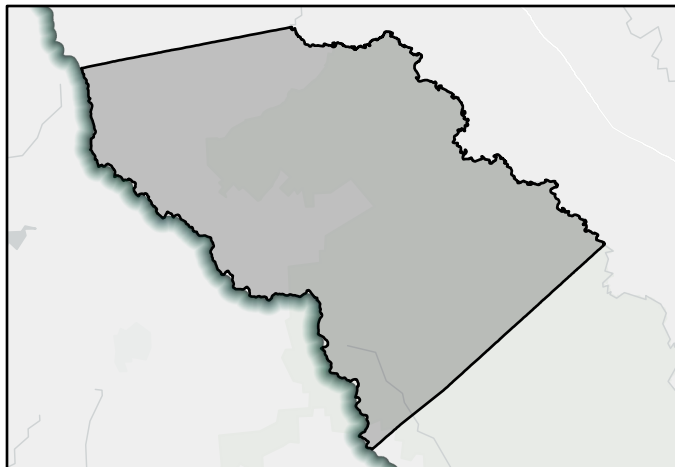
Impacts

Negative impacts?   No   Negative impacts description   -
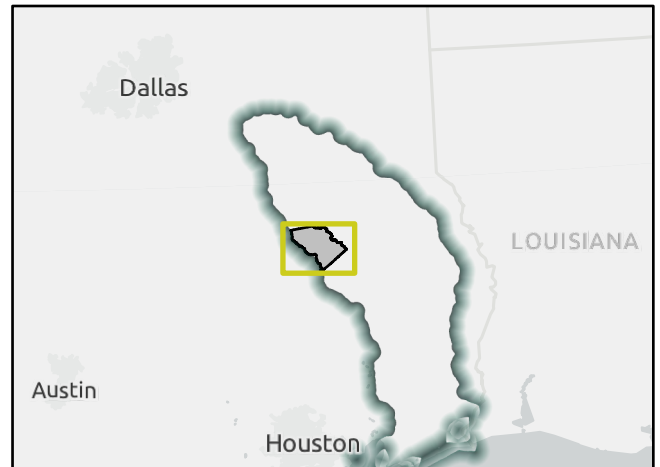
Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $25,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title	City of Cuney Seek NFIP Participation
ID#	052000063
Sponsor	Cuney (Municipality)
RFPG recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

Strategy Details

		County	Cherokee
Strategy type	Regulatory and Guidance		

Strategy description: Pass appropriate Resolutions and Ordinances for participation in the National Flood Insurance Program.

Goal(s)
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	0
Number of low water crossings	0	Historical road closures	0

100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	$5,000	Amount of available funding	-	% Nature-Based	0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Gallatin Multi-Jurisdiction Coordination

ID# 052000064   Sponsor Gallatin (Municipality)

RFPG recommend? Yes   Reason for Recommendation Complies with RFPG Goals

Strategy Details

Strategy type Regulatory and Guidance   County Cherokee

Strategy description Work with County or TXDOT to increase drainage capacity in sites that are prone to flooding.

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

Existing 100-Year Flood Risk

Population at risk 0   # of structures 2   Critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres) 60   Roadway(s) impacted (miles) 1

Number of low water crossings 0   Historical road closures 0
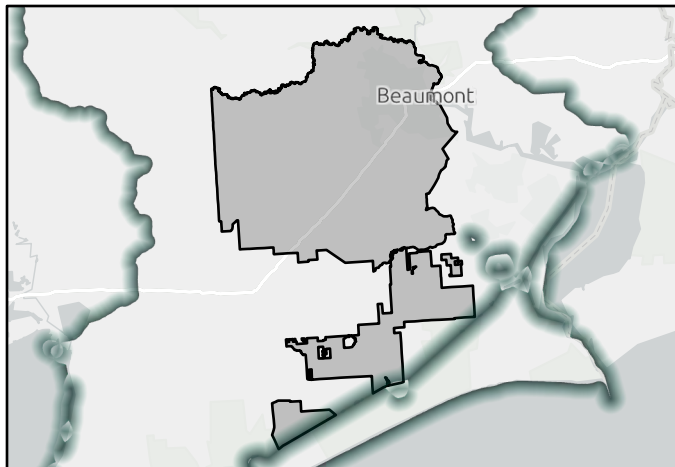
100-Year Flood Risk Reduction

Population removed from 100-yr -   # of structures removed from 100-yr -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) -   Low water crossings removed from 100-yr -

Other benefits -   Reduction in # of road closures over 10 years -
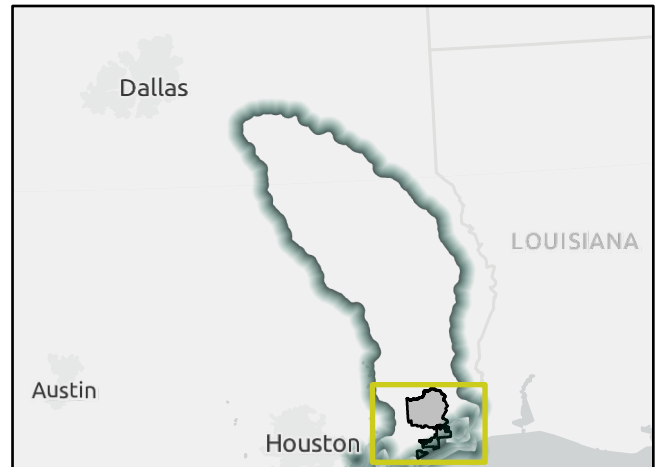
Impacts

Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost

Strategy Cost $5,000   Amount of available funding -   % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   City of Jacksonville Multi-Jurisdiction Coordination

ID#   052000065   **Sponsor**   Jacksonville (Municipality)

RFPG recommend?   Yes   **Reason for Recommendation**   Complies with RFPG Goals

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Strategy Details

Strategy type	Regulatory and Guidance	**County** Cherokee

Strategy description   Work with County or TXDOT to increase drainage capacity in sites that are prone to flooding.

Goal(s)

Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.

Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

Existing 100-Year Flood Risk

Population at risk 606	# of structures 192	Critical facilities 0

Flood risk type:	Riverine? Yes	Coastal? No	Local? Yes	Playa? No	Other? No

Farm/Ranch land impacted (acres) 4	Roadway(s) impacted (miles) 4
Number of low water crossings 7	Historical road closures 7

100-Year Flood Risk Reduction
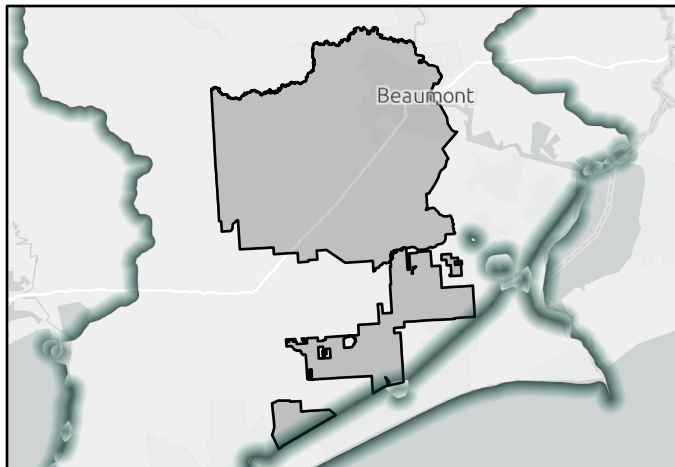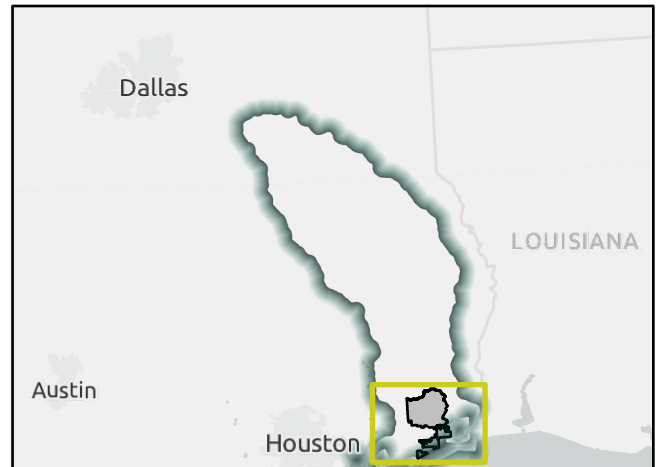
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost $10,000	Amount of available funding -	% Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: City of Reklaw Improved Enforcement of Ordinances

ID# 052000066   Sponsor: Reklaw (Municipality)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Regulatory and Guidance   County: Cherokee

Strategy description: Improve the long-range management and use of flood-prone areas by the adoption and enforcement of local ordinances to regulate new development within the floodplain. Review and revise ordinances, when needed.

Goal(s):
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 0   # of structures: 1   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 1   Roadway(s) impacted (miles): 0

Number of low water crossings: 0   Historical road closures: 0

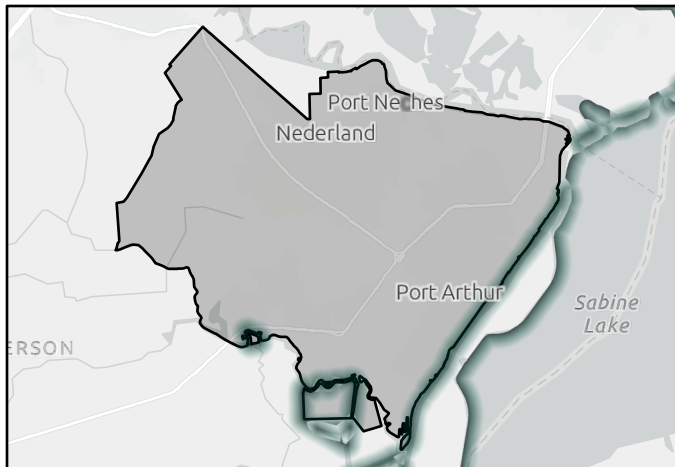## 100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -
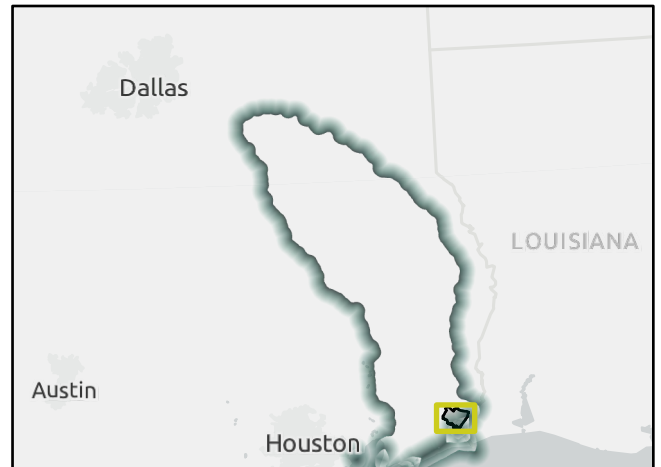
Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $10,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title City of Rusk Flood Maps Maintenance and Update

ID# 052000067   **Sponsor** Rusk (Municipality)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Regulatory and Guidance   **County** Cherokee

Strategy description Work with state and federal agencies to maintain current flood maps.

Goal(s) Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

Existing 100-Year Flood Risk

Population at risk 462   **# of structures** 41   **Critical facilities** 0

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** Yes   **Playa?** No   **Other?** No

Farm/Ranch land impacted (acres) 1   **Roadway(s) impacted (miles)** 2

Number of low water crossings 0   **Historical road closures** 0

100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $10,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title Hardin County Continued NFIP Participation

ID# 052000068   **Sponsor** Hardin (County)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Regulatory and Guidance   **County** Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

Goal(s)
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk 10,528   **# of structures** 3,678   **Critical facilities** 25

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** No   **Playa?** No   **Other?** Yes

Farm/Ranch land impacted (acres) 743   **Roadway(s) impacted (miles)** 136

Number of low water crossings 13   **Historical road closures** 13

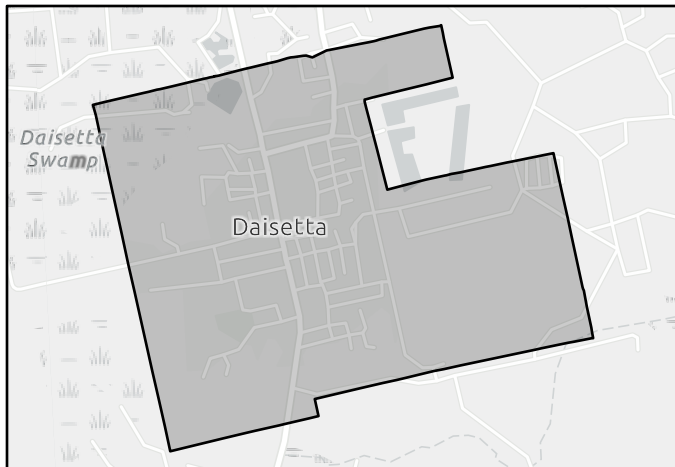## 100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

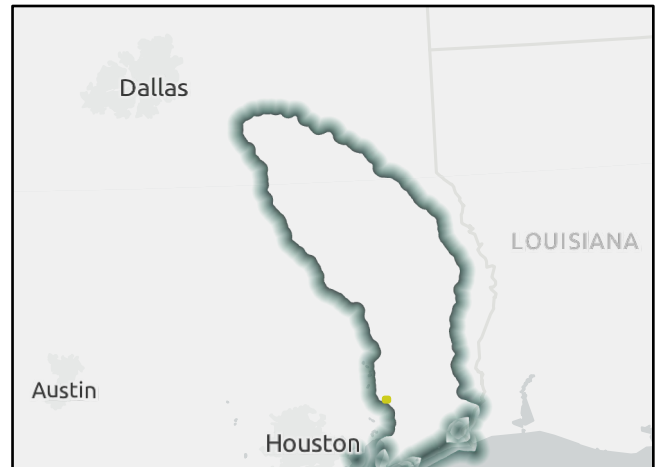**Other benefits** -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $80,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   Hardin County Drainage District

ID#   052000069   Sponsor Hardin (County)

RFPG recommend? Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Regulatory and Guidance   County   Hardin

Strategy description   Form Drainage District: Purpose would be to oversee/ maintain, and construct required drainage projects for the County. Regulate stormwater mitigation for new and future developments.

Goal(s)   Goal 1: 50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.
Goal 2: 75% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.

Existing 100-Year Flood Risk

Population at risk 10,528   # of structures   3,678   Critical facilities   25

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres) 743   Roadway(s) impacted (miles)   136

Number of low water crossings   13   Historical road closures   13

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

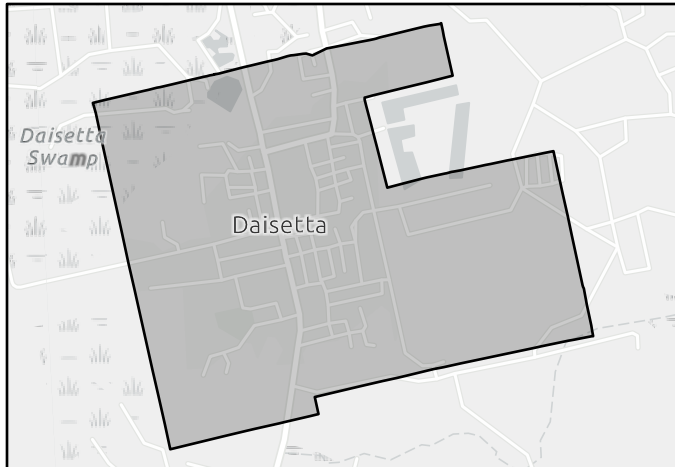Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

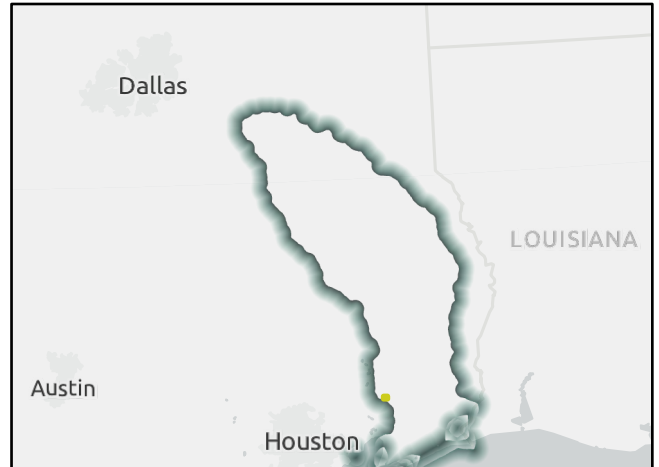Negative impacts?   No   Negative impacts description   -

Water supply contributions? No   Water supply contribution description   -

Estimated Cost

Strategy Cost $900,000   Amount of available funding   -   % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title | City of Kountze Continued NFIP Participation

ID# | 052000070   Sponsor | Kountze (Municipality)

RFPG recommend? | Yes   Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Regulatory and Guidance   County | Hardin

Strategy description | Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

Goal(s) | Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk | 2   # of structures | 3   Critical facilities | 0

Flood risk type: Riverine? | Yes   Coastal? | No   Local? | No   Playa? | No   Other? | Yes

Farm/Ranch land impacted (acres) | 0   Roadway(s) impacted (miles) | 1

Number of low water crossings | 0   Historical road closures | 0

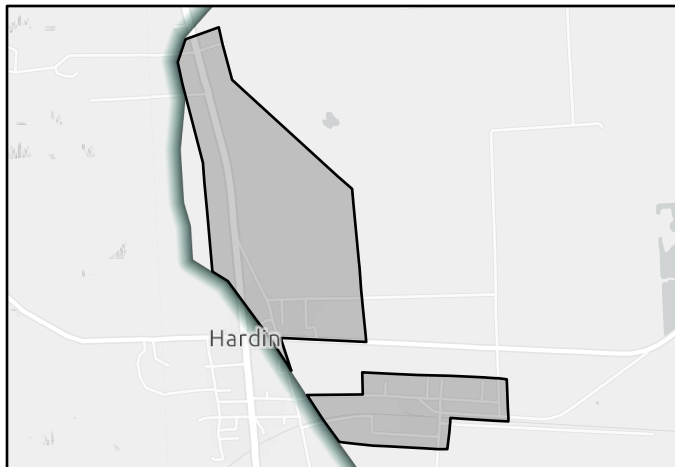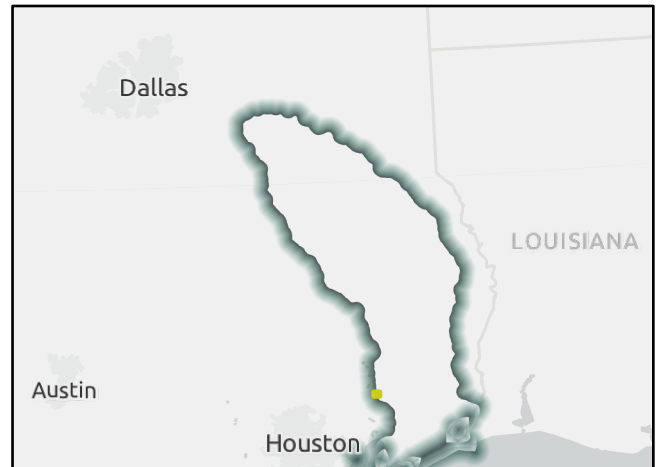## 100-Year Flood Risk Reduction

Population removed from 100-yr | -   # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | -   Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | -   Low water crossings removed from 100-yr | -

Other benefits | -   Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No   Negative impacts description | -

Water supply contributions? | No   Water supply contribution description | -

Estimated Cost

Strategy Cost | $60,000   Amount of available funding | -   % Nature-Based | 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: City of Lumberton Continued NFIP Participation

ID#: 052000071   Sponsor: Lumberton (Municipality)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Regulatory and Guidance   County: Hardin

Strategy description: Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

Goal(s):
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 658   # of structures: 235   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 23   Roadway(s) impacted (miles): 4

Number of low water crossings: 1   Historical road closures: 1
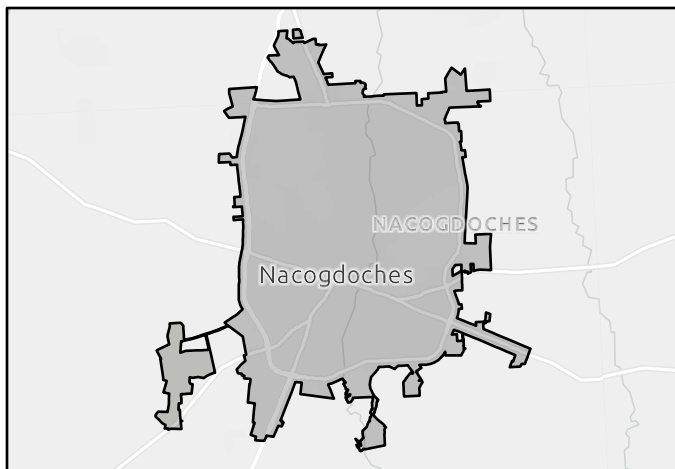
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $80,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title | City of Rose Hill Acres Continued NFIP Participation

ID# | 052000072 | Sponsor | Rose Hill Acres (Municipality)

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Regulatory and Guidance | County | Hardin

Strategy description | Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

Goal(s) | Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk | 278 | # of structures | 134 | Critical facilities | 0

Flood risk type: | Riverine? | Yes | Coastal? | No | Local? | No | Playa? | No | Other? | No

Farm/Ranch land impacted (acres) | 0 | Roadway(s) impacted (miles) | 2

Number of low water crossings | 0 | Historical road closures | 0

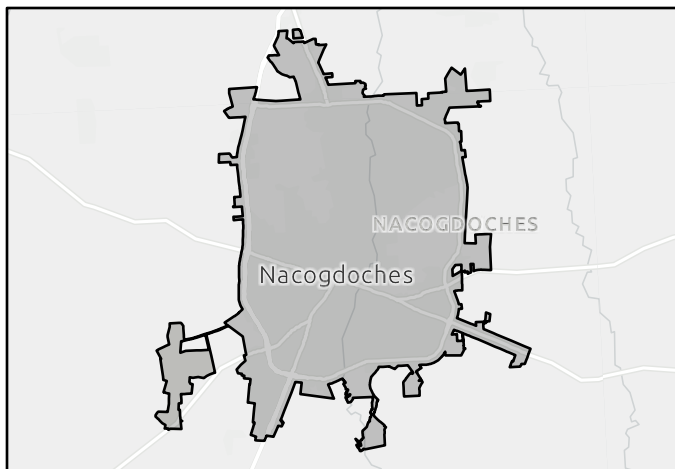## 100-Year Flood Risk Reduction

Population removed from 100-yr | - | # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | - | Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | - | Low water crossings removed from 100-yr | -

Other benefits | - | Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No | Negative impacts description | -

Water supply contributions? | No | Water supply contribution description | -

Estimated Cost

Strategy Cost | $80,000 | Amount of available funding | - | % Nature-Based | 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Silsbee Continued NFIP Participation

ID# 052000073 Sponsor: Silsbee (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Regulatory and Guidance County: Hardin

Strategy description: Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

Goal(s):
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 780 # of structures: 87 Critical facilities: 2

Flood risk type: Riverine? Yes Coastal? No Local? No Playa? No Other? Yes

Farm/Ranch land impacted (acres): 1 Roadway(s) impacted (miles): 2

Number of low water crossings: 3 Historical road closures: 3

100-Year Flood Risk Reduction

Population removed from 100-yr: - # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: - Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): - Low water crossings removed from 100-yr: -

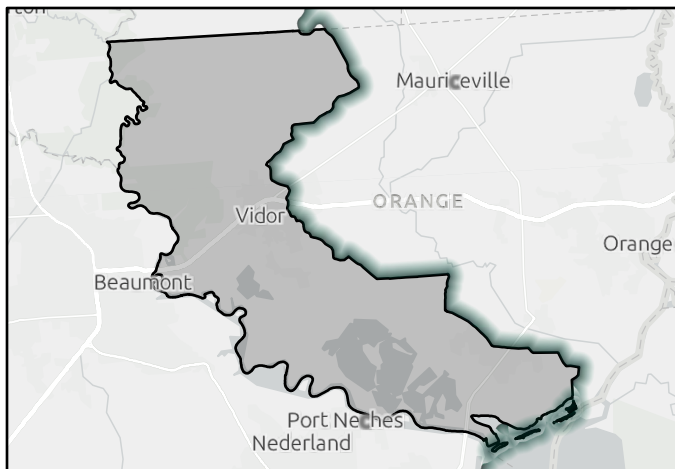Other benefits: - Reduction in # of road closures over 10 years: -

Impacts

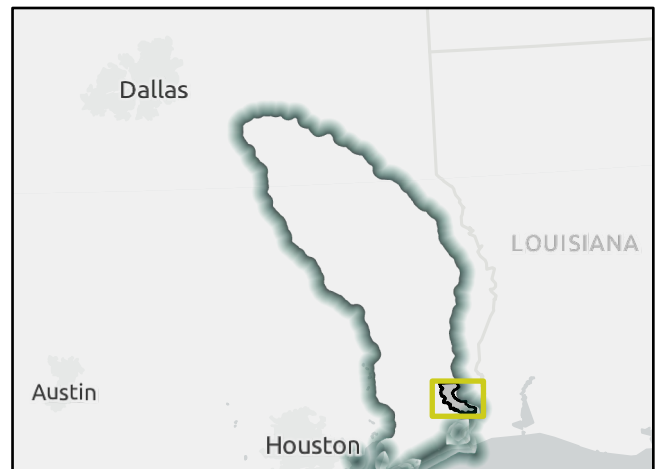Negative impacts? No Negative impacts description: -

Water supply contributions? No Water supply contribution description: -

Estimated Cost

Strategy Cost: $50,000 Amount of available funding: - % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title	City of Sour Lake Continued NFIP Participation
ID#	052000074
Sponsor	Sour Lake (Municipality)
RFPG recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

Strategy Details

Strategy type	Regulatory and Guidance
County	Hardin

Strategy description Continue participation in the NFIP and initiate participation in CRS. Includes improvement of flood mapping and elevation data, mitigation for repetitive loss properties, and instituting higher regulatory standards for future floodplain development.

Goal(s)
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk	1,687	# of structures	435
Critical facilities	7		

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	Yes

Farm/Ranch land impacted (acres)	7	Roadway(s) impacted (miles)	8
Number of low water crossings	3	Historical road closures	3

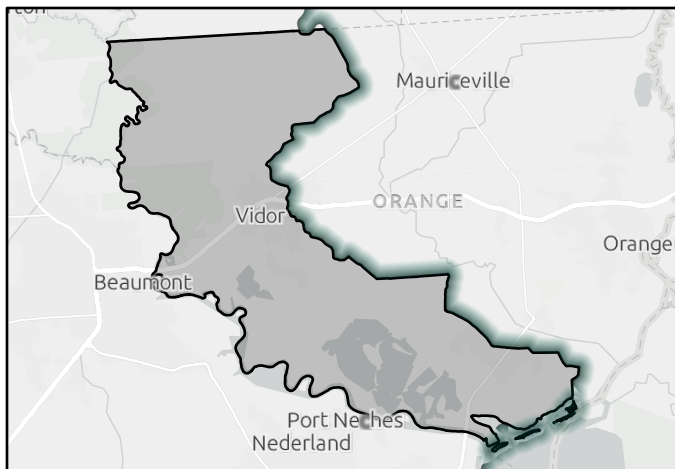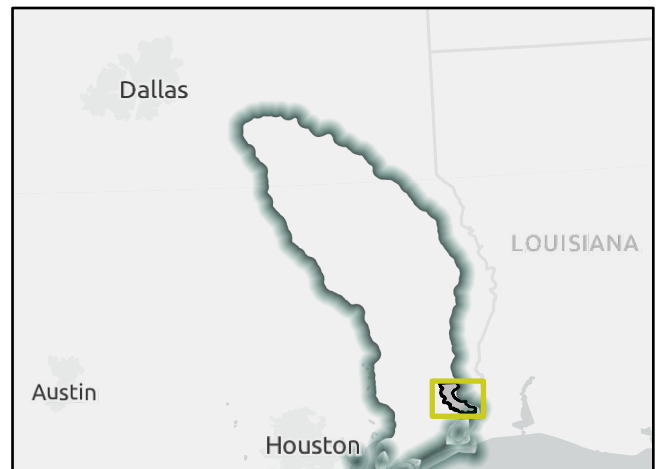## 100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	$60,000	Amount of available funding	-
% Nature-Based	0		

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: Houston County Mobile Home Inspection

ID#: 052000075   Sponsor: Houston (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Regulatory and Guidance   County: Houston

Strategy description: Conduct routine inspection of manufactured home/mobile homes in flood-prone area to ensure proper tie-downs per Flood Damage Ordinance.

Goal(s): Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk: 16   # of structures: 17   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 117   Roadway(s) impacted (miles): 20

Number of low water crossings: 7   Historical road closures: 7

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $61,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: JCDD6 Multi-Jurisdiction Coordination

ID# 052000076   Sponsor: Jefferson County Drainage District 6

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Regulatory and Guidance   County: Jefferson

Strategy description: Increase coordination with the City and County regarding flood predictions and post event recovery.

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Existing 100-Year Flood Risk

Population at risk: 20,772   # of structures: 6,491   Critical facilities: 30

Flood risk type: Riverine? Yes   Coastal? Yes   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 20,945   Roadway(s) impacted (miles): 215

Number of low water crossings: 16   Historical road closures: 16
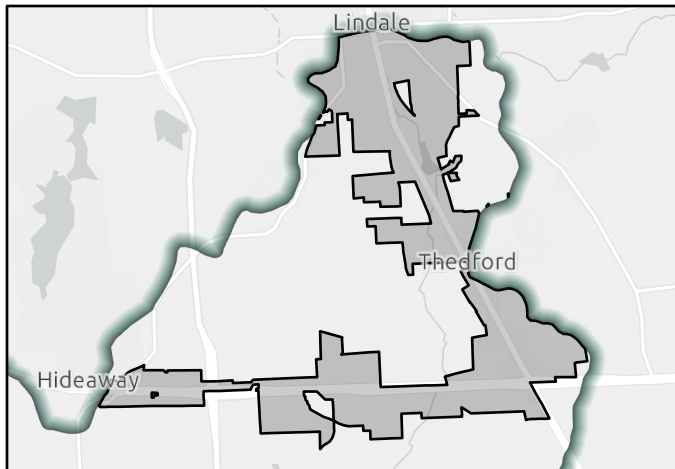
100-Year Flood Risk Reduction

Population removed from 100-yr: 286   # of structures removed from 100-yr: 101

Critical facilities removed from 100-yr: 4   Farm/Ranch land removed from 100-yr (acres): 45

Road removed from 100-yr (miles): 0   Low water crossings removed from 100-yr: 0

Other benefits: -   Reduction in # of road closures over 10 years: -
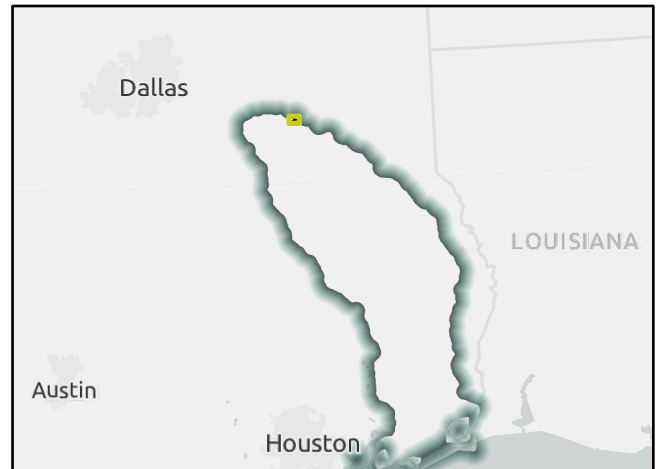
Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $20,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   JCDD6 Severe Weather Action Plan

ID#   052000077   **Sponsor**   Jefferson County Drainage District 6

RFPG recommend?   Yes   **Reason for Recommendation**   Complies with RFPG Goals

Strategy Details

Strategy type   Regulatory and Guidance   **County**   Jefferson

Strategy description   Create severe weather action plan, conduct drills, identify and promulgate evacuation and sheltering options.

Goal(s)   Goal 1: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.
Goal 2: Maintain 100% participation of counties performing public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk   20,772   **# of structures**   6,491   **Critical facilities**   30

Flood risk type: **Riverine?**   Yes   **Coastal?**   Yes   **Local?**   No   **Playa?**   No   **Other?**   Yes

Farm/Ranch land impacted (acres)   20,945   **Roadway(s) impacted (miles)**   215

Number of low water crossings   16   **Historical road closures**   16

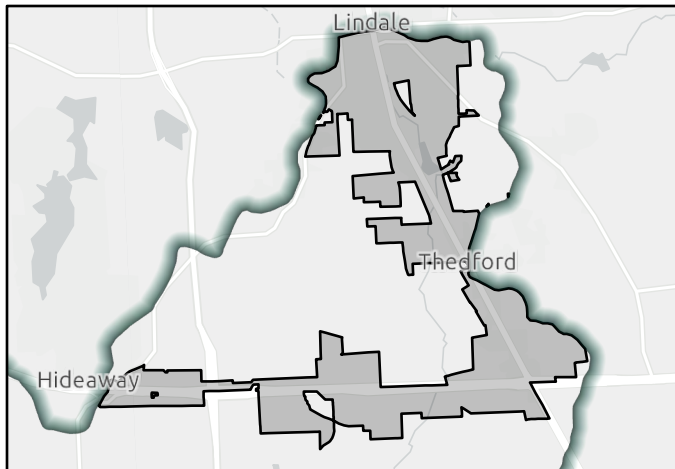## 100-Year Flood Risk Reduction

Population removed from 100-yr   286   **# of structures removed from 100-yr**   101

Critical facilities removed from 100-yr   4   **Farm/Ranch land removed from 100-yr (acres)**   45

Road removed from 100-yr (miles)   0   **Low water crossings removed from 100-yr**   0

Other benefits   -   **Reduction in # of road closures over 10 years**   -

Impacts

Negative impacts?   No   **Negative impacts description**   -

Water supply contributions?   No   **Water supply contribution description**   -

Estimated Cost

Strategy Cost $60,000   **Amount of available funding**   -   **% Nature-Based**   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: JCDD7 Storm Water Management Plan

ID# 052000078 Sponsor Jefferson County Drainage District 7

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Regulatory and Guidance County: Jefferson

Strategy description: Help to establish and allow District to enforce development regulations within existing flood zones.

Goal(s):
Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 17,575 # of structures 4,705 Critical facilities 82

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes

Farm/Ranch land impacted (acres) 876 Roadway(s) impacted (miles) 95

Number of low water crossings 3 Historical road closures 3

100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -
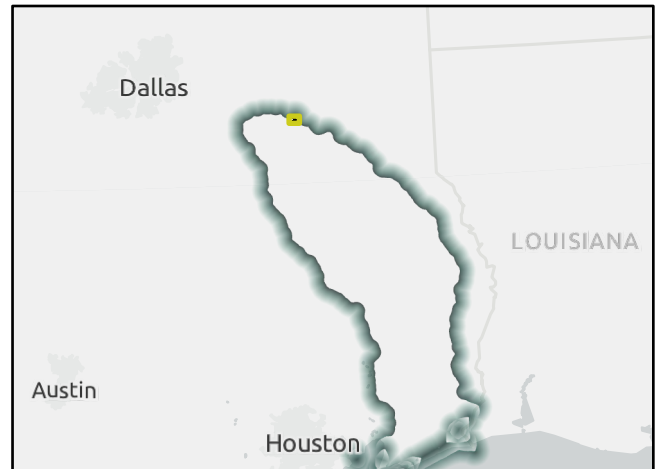
Impacts

Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Strategy Cost $50,000 Amount of available funding - % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title City of Daisetta Property Construction Ordinance

ID# 052000079   **Sponsor** Daisetta (Municipality)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type	Regulatory and Guidance

County Liberty

Strategy description The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.

Goal(s) Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 0   # of structures 0   Critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres) 0   Roadway(s) impacted (miles) 0

Number of low water crossings 0   Historical road closures 0
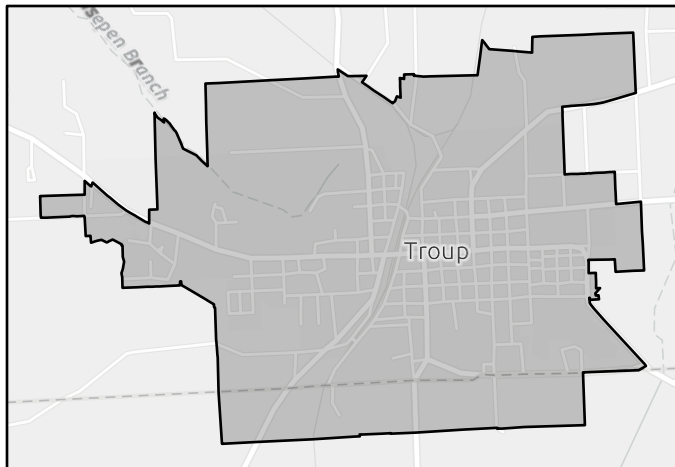
100-Year Flood Risk Reduction

Population removed from 100-yr -   # of structures removed from 100-yr -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) -   Low water crossings removed from 100-yr -

Other benefits -   Reduction in # of road closures over 10 years -
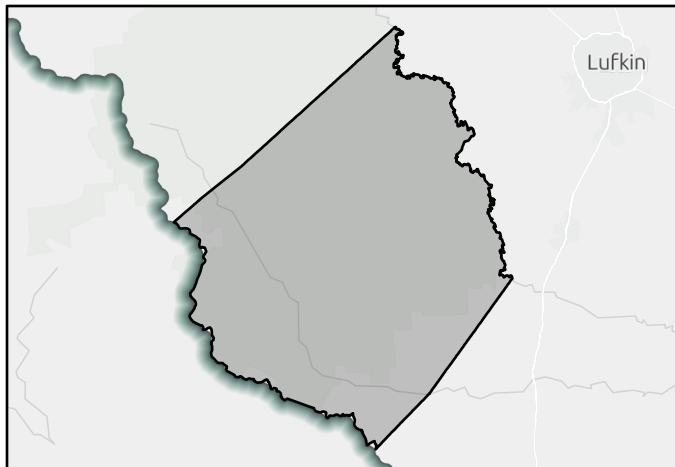
Impacts

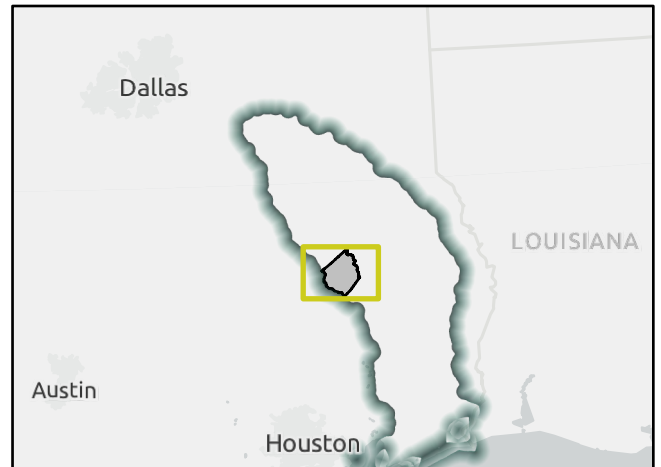Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost

Strategy Cost $10,000   Amount of available funding -   % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   City of Daisetta Property Elevation Ordinance

ID#   052000080   **Sponsor** Daisetta (Municipality)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type   Regulatory and Guidance   **County** Liberty

Strategy description   The city shall adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet above base flood elevation.

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 0   **# of structures** 0   **Critical facilities** 0

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** No   **Playa?** No   **Other?** Yes

Farm/Ranch land impacted (acres) 0   **Roadway(s) impacted (miles)** 0

Number of low water crossings 0   **Historical road closures** 0

100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $5,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title | City of Hardin Subdivision Ordinance Implementation

ID# | 052000081 | Sponsor | Hardin (Municipality)

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Regulatory and Guidance | County | Liberty

Strategy description | Implement subdivision ordinance regulations concerning building in flood-prone areas.

Goal(s) | Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk | 1 | # of structures | 1 | Critical facilities | 0

Flood risk type: | Riverine? | Yes | Coastal? | No | Local? | No | Playa? | No | Other? | Yes

Farm/Ranch land impacted (acres) | 1 | Roadway(s) impacted (miles) | 0

Number of low water crossings | 0 | Historical road closures | 0
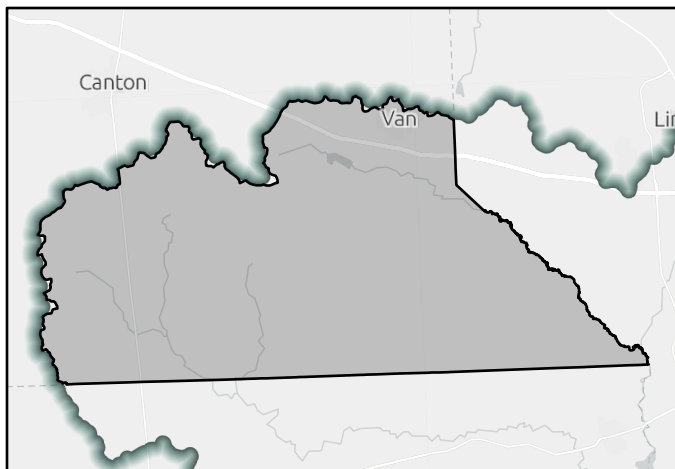
100-Year Flood Risk Reduction

Population removed from 100-yr | - | # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | - | Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | - | Low water crossings removed from 100-yr | -

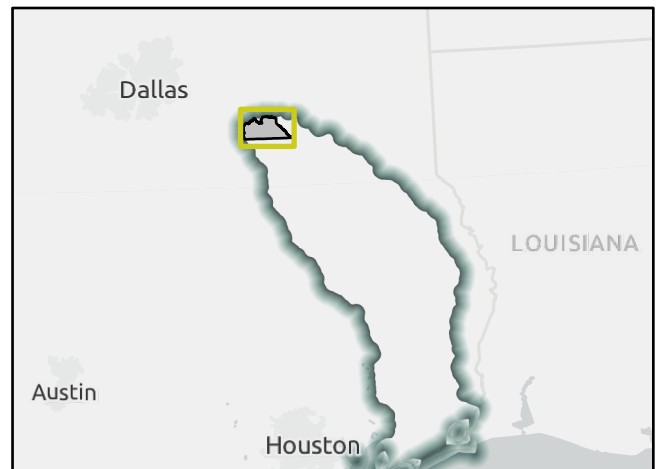Other benefits | - | Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No | Negative impacts description | -

Water supply contributions? | No | Water supply contribution description | -

Estimated Cost

Strategy Cost | $10,000 | Amount of available funding | - | % Nature-Based | 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title | City of Nacogdoches Stormwater Drainage Fee Implementation

ID# | 052000082 | Sponsor | Nacogdoches (Municipality)

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Regulatory and Guidance | County | Nacogdoches

Strategy description | Implement stormwater drainage fee to assist funding of flood mitigation infrastructure projects

Goal(s) | Goal 1: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.
Goal 2: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 75% of communities.
Goal 3: 50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.

Existing 100-Year Flood Risk

Population at risk 5,331 | # of structures 446 | Critical facilities 1

Flood risk type: | Riverine? Yes | Coastal? No | Local? Yes | Playa? No | Other? No

Farm/Ranch land impacted (acres) 4 | Roadway(s) impacted (miles) 14

Number of low water crossings 0 | Historical road closures 0

100-Year Flood Risk Reduction

Population removed from 100-yr | - | # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | - | Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | - | Low water crossings removed from 100-yr | -

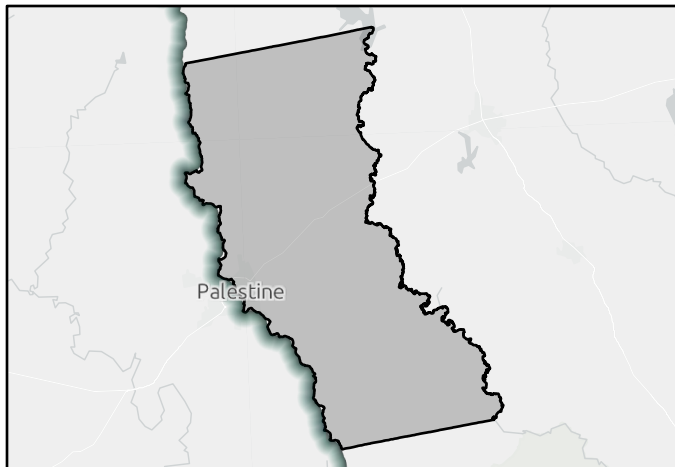Other benefits | - | Reduction in # of road closures over 10 years | -
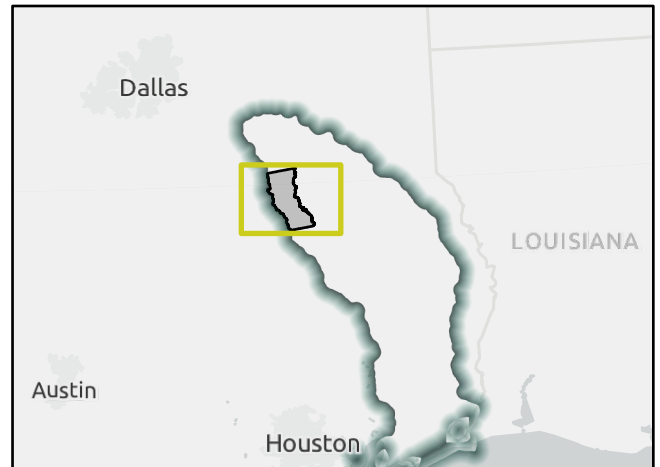
Impacts

Negative impacts? No | Negative impacts description | -

Water supply contributions? No | Water supply contribution description | -

Estimated Cost

Strategy Cost $40,000 | Amount of available funding - | % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: City of Nacogdoches Codes and Ordinances Update

ID# 052000083 Sponsor: Nacogdoches (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Regulatory and Guidance County: Nacogdoches

Strategy description: Review and update, if necessary, all City codes and ordinances pertaining to floodplain management to ensure their compliance with state and federal laws and to achieve cohesion with the mitigation strategies contained herein.

Goal(s):
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 5,331 # of structures: 446 Critical facilities: 1

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 4 Roadway(s) impacted (miles): 14

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: - # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: - Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): - Low water crossings removed from 100-yr: -

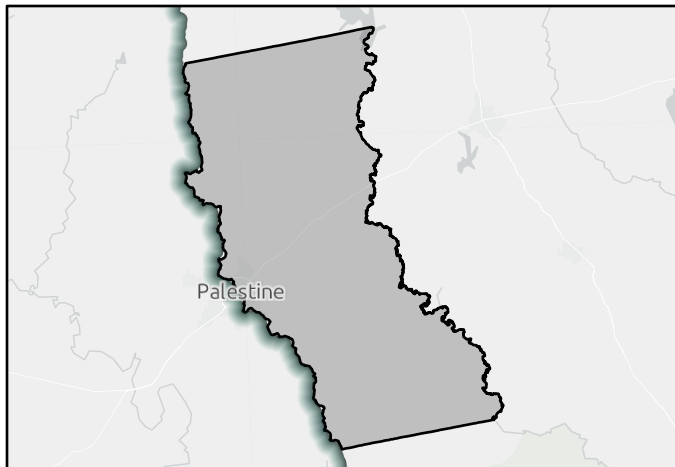Other benefits: - Reduction in # of road closures over 10 years: -

Impacts

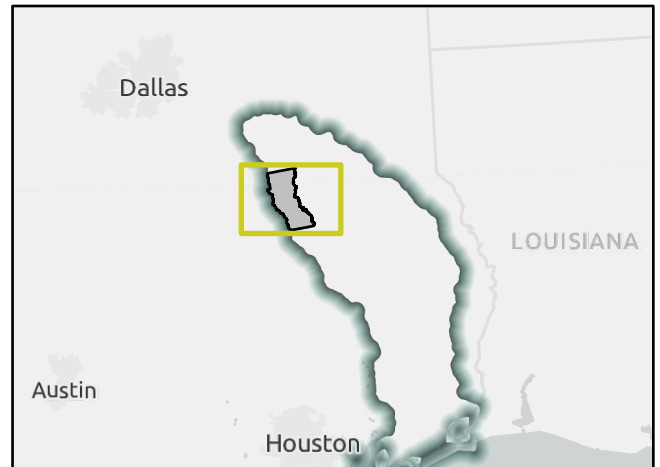Negative impacts? No Negative impacts description: -

Water supply contributions? No Water supply contribution description: -

Estimated Cost

Strategy Cost: $30,000 Amount of available funding: - % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title	OCDD Drainage Criteria Manual and Regulations Enforcement
ID#	052000084 Sponsor Orange County Drainage District
RFPG recommend?	Yes Reason for Recommendation Complies with RFPG Goals

Strategy Details

Strategy type	Regulatory and Guidance	County Orange
Strategy description	Implement and enforce the Drainage Criteria Manual and Regulations for regulation of the effects of new developments and stormwater runoff.	
Goal(s)	Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures. Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.	

Existing 100-Year Flood Risk

Population at risk	11,929	# of structures	5,007	Critical facilities	36

Flood risk type: Riverine? Yes Coastal? Yes Local? No Playa? No Other? Yes

Farm/Ranch land impacted (acres)	346	Roadway(s) impacted (miles) 136
Number of low water crossings	20	Historical road closures 20

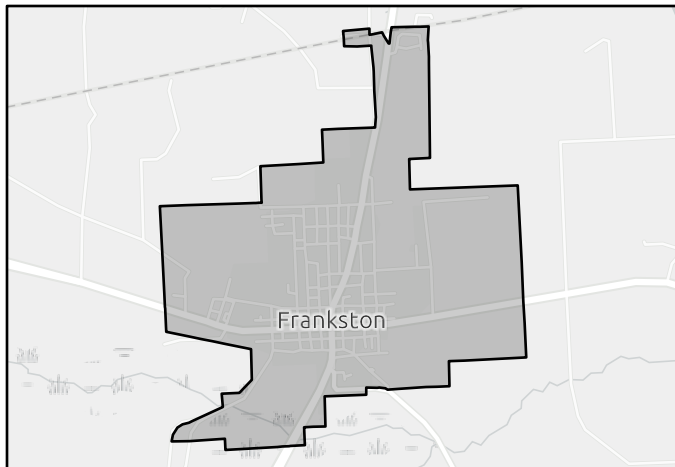## 100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	$20,000	Amount of available funding - % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title   OCDD Support/Create Stricter Floodplain Ordinances

ID#   052000085   Sponsor   Orange County Drainage District

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Regulatory and Guidance   County   Orange

Strategy description   Work with Communities to support ordinances or create ordinances that help to protect new structures from being built in the floodplain or floodway

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 11,929   # of structures 5,007   Critical facilities 36

Flood risk type: Riverine? Yes   Coastal? Yes   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres) 346   Roadway(s) impacted (miles) 136

Number of low water crossings 20   Historical road closures 20

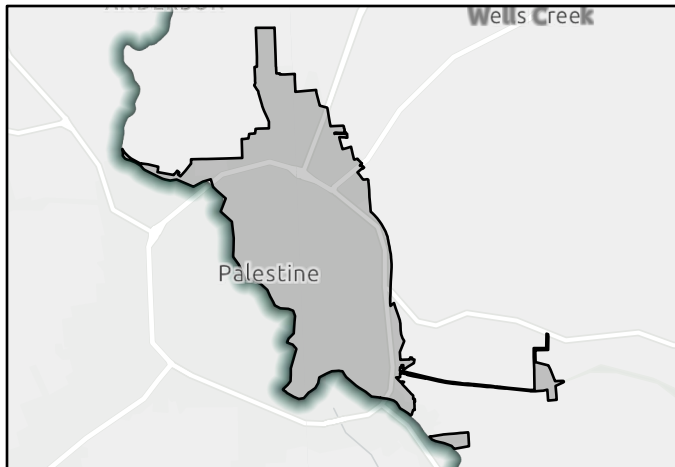## 100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $40,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: San Augustine County Continue NFIP Participation

ID# 052000086   Sponsor San Augustine (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Regulatory and Guidance   County: San Augustine

Strategy description: Continue participation in the National Flood Insurance Program (NFIP) and expand administration and monitoring capabilities

Goal(s):
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 146   # of structures: 64   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 42   Roadway(s) impacted (miles): 13

Number of low water crossings: 2   Historical road closures: 2

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

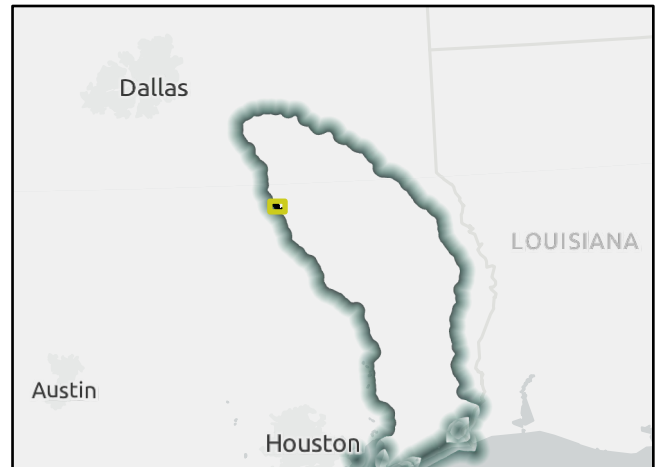Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $53,000   Amount of available funding: -   % Nature-Based: 0
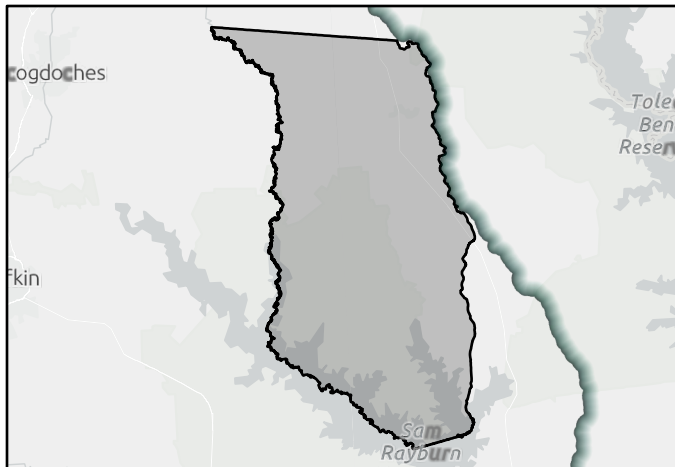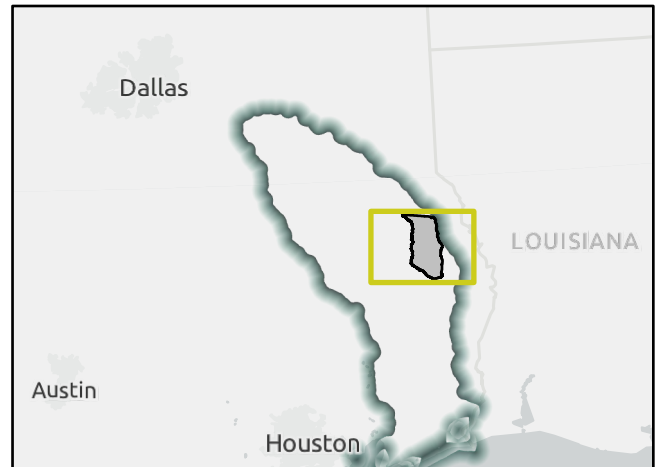
FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title City of Linsdale Natural Runoff Policies Implementation

ID# 052000087 **Sponsor** Lindale (Municipality)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Regulatory and Guidance **County** Smith

Strategy description Incorporate "natural run-off" policies. Calculate cumulative effect of development, increase capacity of storm water drainage systems, institute regular drain system maintenance.

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.

Existing 100-Year Flood Risk

Population at risk 69 **# of structures** 17 **Critical facilities** 0

Flood risk type: **Riverine?** Yes **Coastal?** No **Local?** Yes **Playa?** No **Other?** No

Farm/Ranch land impacted (acres) 1 **Roadway(s) impacted (miles)** 0

Number of low water crossings 0 **Historical road closures** 0
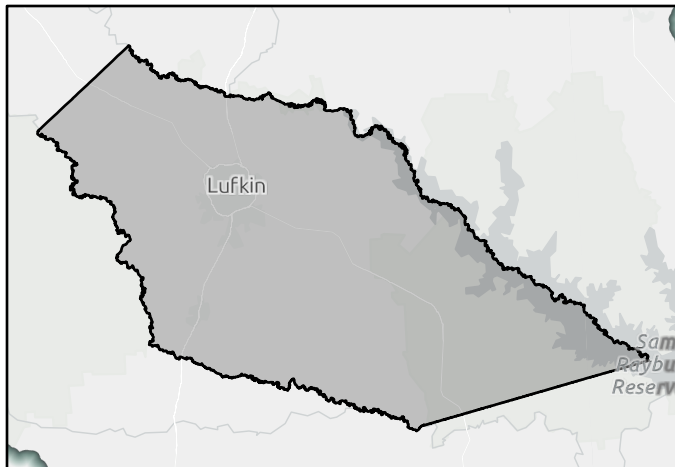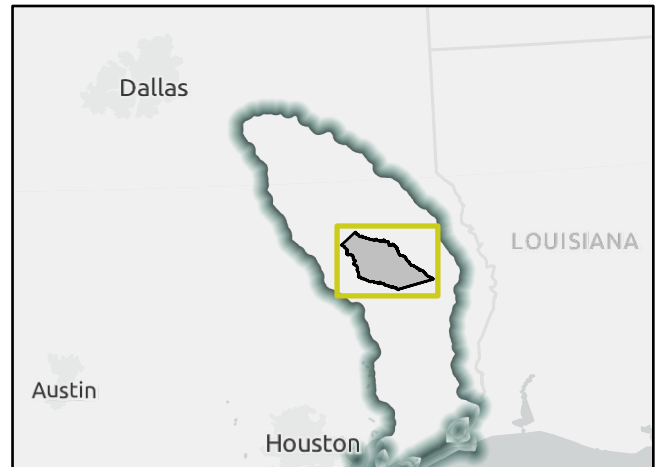
100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

Other benefits - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $30,000 **Amount of available funding** - **% Nature-Based** 100

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Linsdale No Adverse Impact Implementation

ID# 052000088 **Sponsor** Lindale (Municipality)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Regulatory and Guidance **County** Smith

Strategy description Incorporate "no adverse impact" design requirements in community development. Provide awareness to stakeholders and design engineers; building code adoption and plan approval process.

Goal(s) Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: 100% of counties to perform public education and awareness campaigns to better inform the public of flood-related risks on an annual basis.

Existing 100-Year Flood Risk

Population at risk 69 **# of structures** 17 **Critical facilities** 0

Flood risk type: **Riverine?** Yes **Coastal?** No **Local?** Yes **Playa?** No **Other?** No

Farm/Ranch land impacted (acres) 1 **Roadway(s) impacted (miles)** 0

Number of low water crossings 0 **Historical road closures** 0

100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

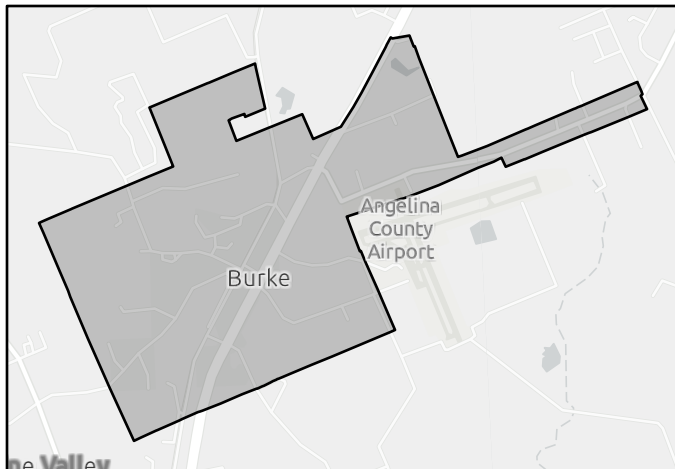**Other benefits** - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $60,000 **Amount of available funding** - **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Troup Floodplain Ordinance Update

ID# 052000089   Sponsor: Troup (Municipality)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Regulatory and Guidance   County: Smith

Strategy description: Adopt and enforce a stricter floodplain ordinance that no new structures are allowed in the 100-year floodway. Adopted by City Council action.

Goal(s):
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 17   # of structures: 1   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 0   Roadway(s) impacted (miles): 0

Number of low water crossings: 0   Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

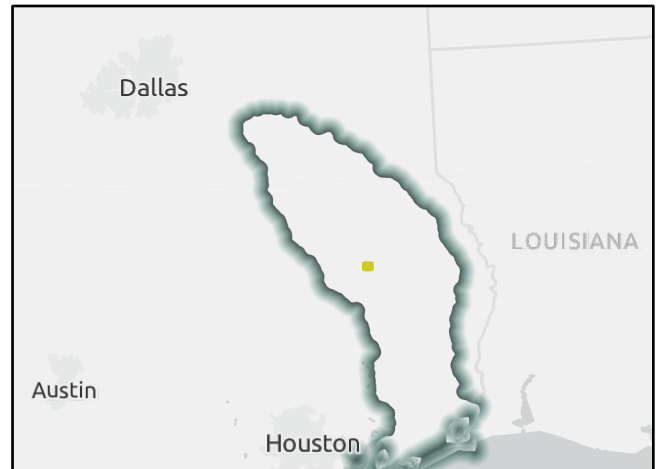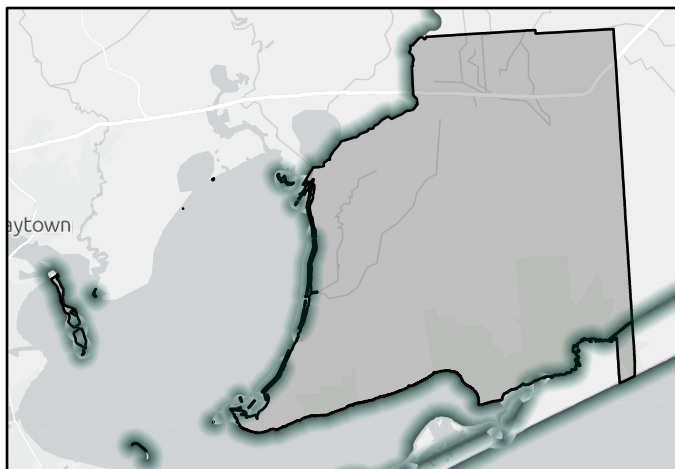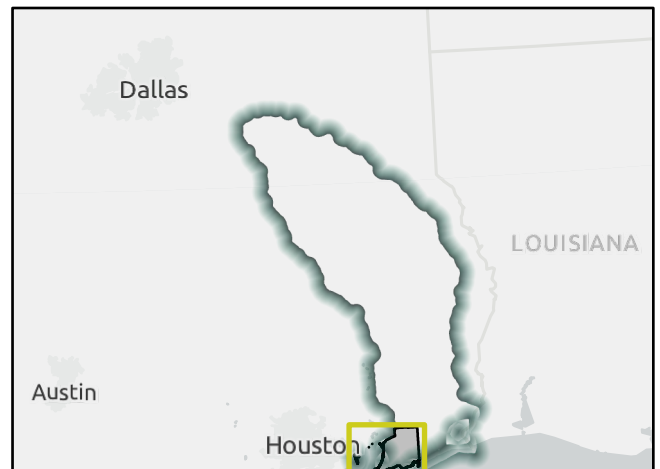## Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $40,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title | Trinity County Dam/Levee Failure Data Collection

ID# | 052000090 | Sponsor | Trinity (County)

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Regulatory and Guidance | County | Trinity

Strategy description | Develop and implement standard operating procedures for collecting and sharing data to provide extent of dam/levee failure

Goal(s) | Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk | 15 | # of structures | 32 | Critical facilities | 0

Flood risk type: | Riverine? | Yes | Coastal? | No | Local? | Yes | Playa? | No | Other? | No

Farm/Ranch land impacted (acres) | 68 | Roadway(s) impacted (miles) | 22

Number of low water crossings | 1 | Historical road closures | 1

100-Year Flood Risk Reduction

Population removed from 100-yr | - | # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | - | Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | - | Low water crossings removed from 100-yr | -

Other benefits | - | Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No | Negative impacts description | -

Water supply contributions? | No | Water supply contribution description | -

Estimated Cost

Strategy Cost | $30,600 | Amount of available funding | - | % Nature-Based | 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Van Zandt County Higher Standards Incorporation

ID#: 052000091   Sponsor: Van Zandt (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Regulatory and Guidance   County: Van Zandt

Strategy description: Incorporate Higher Standards for Hazard Resistance in Local Application of the Building Code.

Goal(s):
Goal 1: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.
Goal 2: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 25% of their new flood risk reduction projects between 2033 - 2053.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 233   # of structures: 217   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 232   Roadway(s) impacted (miles): 13

Number of low water crossings: 0   Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $30,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Anderson County Culvert Improvements

ID# 052000092   Sponsor: Anderson (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Anderson

Strategy description: Widen culverts to mitigate against future drainage issues that lead to flooding.

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 73   # of structures: 69   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 348   Roadway(s) impacted (miles): 22

Number of low water crossings: 2   Historical road closures: 2

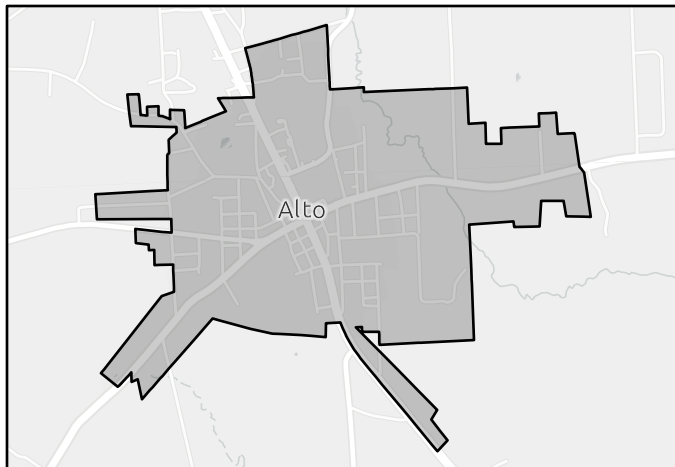## 100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -
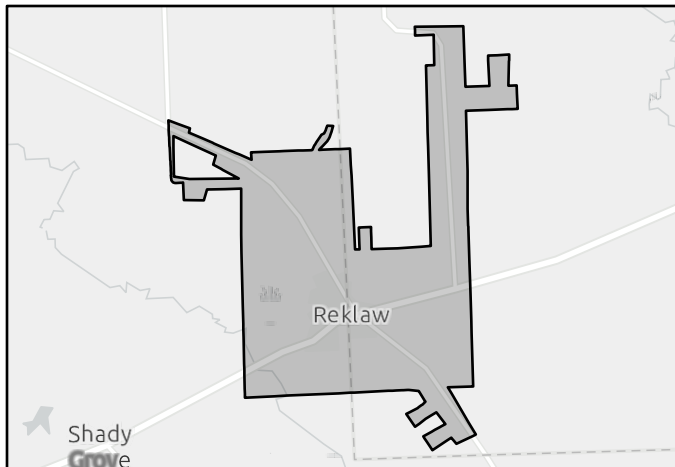
Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $3,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title Anderson County Dam Inspection and Maintenance Program

ID# 052000093   **Sponsor** Anderson (County)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Infrastructure Projects   **County** Anderson

Strategy description Work with dam owners to keep dams in excellent condition by visiting dam locations and doing inspections with owners to ensure that dams are properly maintained and failure possibilities are greatly reduced.

Goal(s) Goal 1: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.
Goal 2: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 75% of communities.
Goal 3: 50% of the region's population is part of an entity that has a dedicated drainage charge, fee, or other continuous funding mechanism for the maintenance and/or restoration of flood infrastructure.

Existing 100-Year Flood Risk

Population at risk 73   **# of structures** 69   **Critical facilities** 0

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** Yes   **Playa?** No   **Other?** No

Farm/Ranch land impacted (acres) 348   **Roadway(s) impacted (miles)** 22

Number of low water crossings 2   **Historical road closures** 2

100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $2,000,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES
REGIONAL FLOOD PLANNING GROUP

Title | City of Frankston Culvert Improvements

ID# | 052000094 | Sponsor | Frankston (Municipality)

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Infrastructure Projects | County | Anderson

Strategy description | Develop plan to increase drainage capacity in sites that are prone to flooding.

Goal(s) | Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk 0 | # of structures 0 | Critical facilities 0

Flood risk type: | Riverine? Yes | Coastal? No | Local? Yes | Playa? No | Other? No

Farm/Ranch land impacted (acres) 0 | Roadway(s) impacted (miles) 0

Number of low water crossings 0 | Historical road closures 0
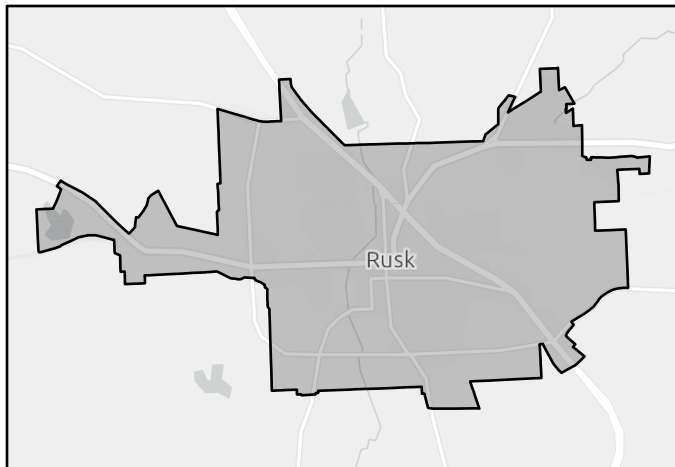
100-Year Flood Risk Reduction

Population removed from 100-yr - | # of structures removed from 100-yr -

Critical facilities removed from 100-yr - | Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - | Low water crossings removed from 100-yr -

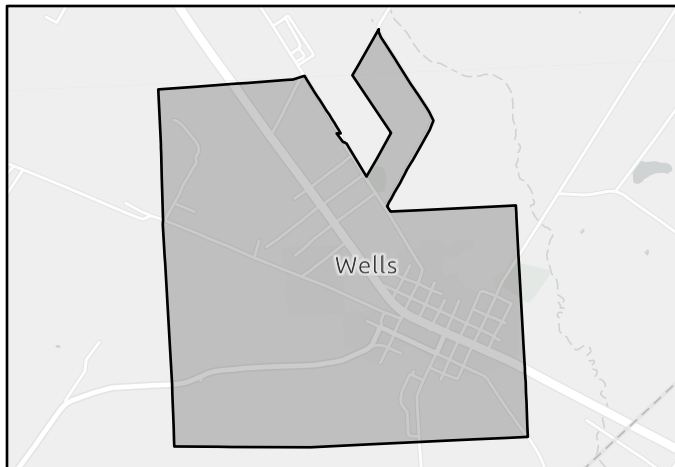Other benefits - | Reduction in # of road closures over 10 years -

Impacts

Negative impacts? No | Negative impacts description -

Water supply contributions? No | Water supply contribution description -

Estimated Cost

Strategy Cost $1,000,000 | Amount of available funding - | % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

Title | City of Palestine Drainage System Expansion and Maintenance

ID# | 052000095 | Sponsor | Palestine (Municipality)

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Infrastructure Projects | County | Anderson

Strategy description | Establish plan and necessary standards to increase the capacity of drainage ditches along all city streets and roads

Goal(s) | Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk | 42 | # of structures | 14 | Critical facilities | 0

Flood risk type: | Riverine? | Yes | Coastal? | No | Local? | Yes | Playa? | No | Other? | No

Farm/Ranch land impacted (acres) | 2 | Roadway(s) impacted (miles) | 2

Number of low water crossings | 2 | Historical road closures | 2

100-Year Flood Risk Reduction

Population removed from 100-yr | - | # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | - | Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | - | Low water crossings removed from 100-yr | -

Other benefits | - | Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No | Negative impacts description | -

Water supply contributions? | No | Water supply contribution description | -

Estimated Cost

Strategy Cost | $2,000,000 | Amount of available funding | - | % Nature-Based | 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title Angelina County Culvert Improvements

ID# 052000096 Sponsor Angelina (County)

RFPG recommend? Yes

Reason for Recommendation Complies with RFPG Goals

Strategy Details

Strategy type Infrastructure Projects

County Angelina

Strategy description Develop plan to upgrade major culvert areas which are prone to flooding.

Goal(s)

Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk 8,420 # of structures 1,201 Critical facilities 11

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? Yes

Farm/Ranch land impacted (acres) 165 Roadway(s) impacted (miles) 66

Number of low water crossings 19 Historical road closures 19

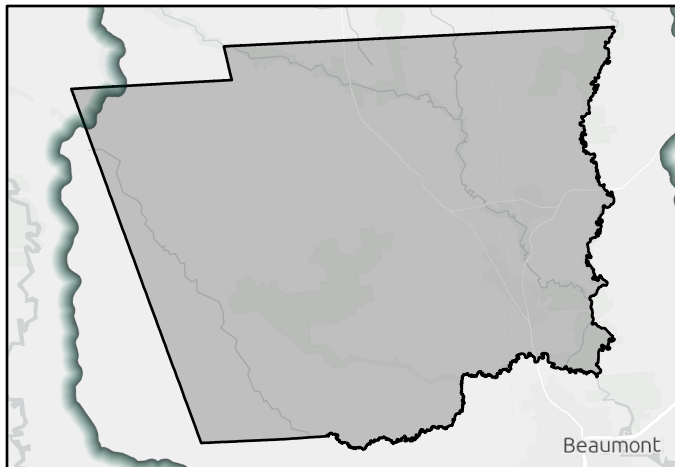## 100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

Impacts

Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Strategy Cost $2,000,000 Amount of available funding - % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: City of Burke Drainage Ditch Capacity Upgrades

ID# 052000097 Sponsor Burke (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects County: Angelina

Strategy description: Establish a plan and necessary standards to increase the capacity of drainage ditches along all city streets and roads

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 0 # of structures: 1 Critical facilities: 0

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres): 0 Roadway(s) impacted (miles): 0

Number of low water crossings: 0 Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: - # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: - Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): - Low water crossings removed from 100-yr: -

Other benefits: - Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No Negative impacts description: -

Water supply contributions? No Water supply contribution description: -

Estimated Cost

Strategy Cost: $500,000 Amount of available funding: - % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Chambers County Property Protection

ID# 052000098   Sponsor: Chambers (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Chambers

Strategy description: Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding throughout all participating jurisdictions

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 1,431   # of structures: 1,175   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? Yes   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 36,933   Roadway(s) impacted (miles): 162

Number of low water crossings: 0   Historical road closures: 0

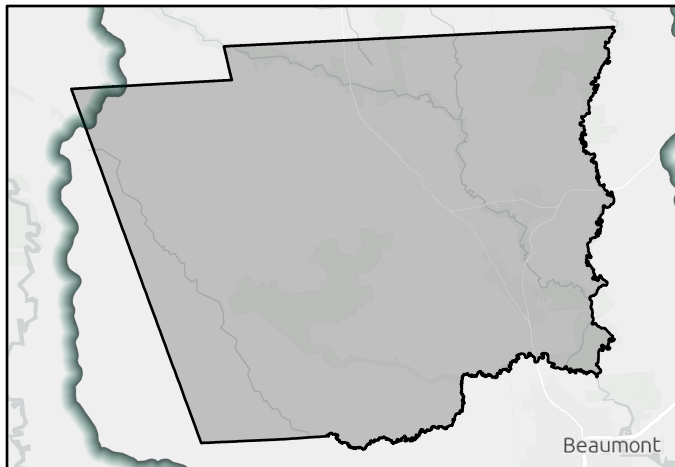## 100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

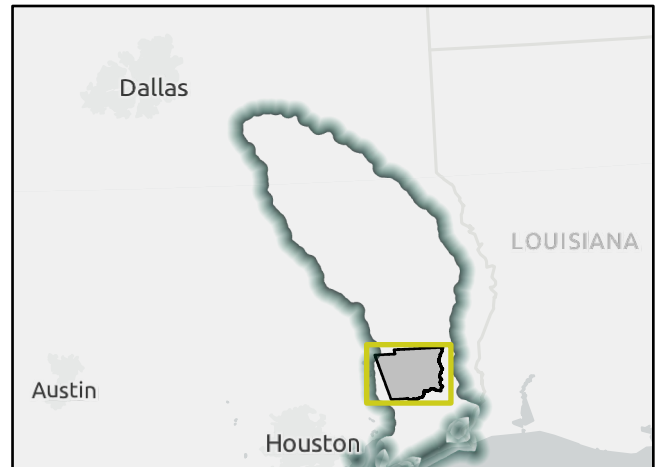Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $1,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Cherokee County Culvert Upgrades

ID#: 052000099   Sponsor: Cherokee (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Cherokee

Strategy description: Develop plan to upgrade major culvert areas which are prone to flooding.

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 1,382   # of structures: 672   Critical facilities: 1

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 920   Roadway(s) impacted (miles): 49

Number of low water crossings: 10   Historical road closures: 10
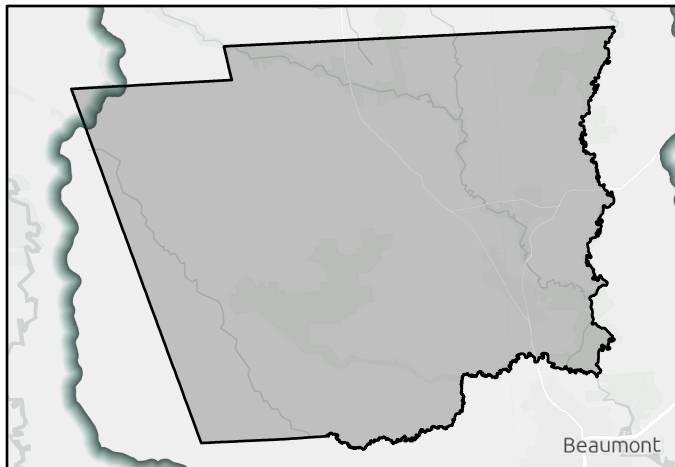
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

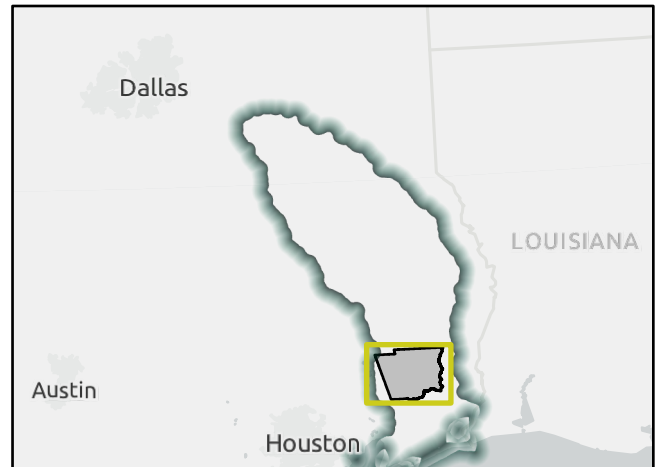Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $2,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: City of Alto Culvert Improvements

ID# 052000100   Sponsor: Alto (Municipality)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Cherokee

Strategy description: Develop plan to increase drainage capacity in sites that are prone to flooding.

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 2   # of structures: 11   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 0   Roadway(s) impacted (miles): 0

Number of low water crossings: 0   Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

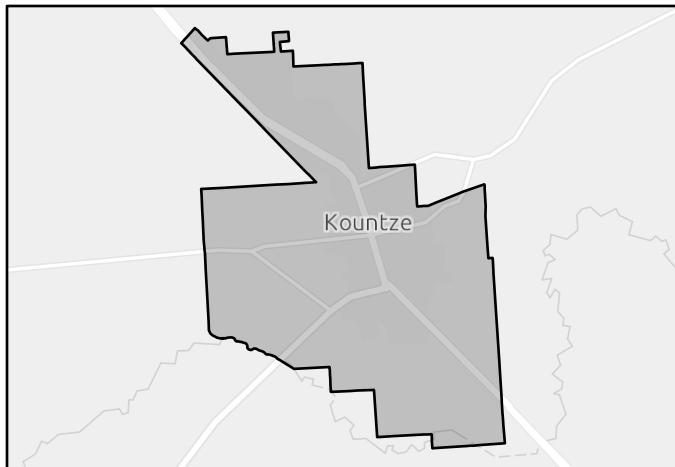Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

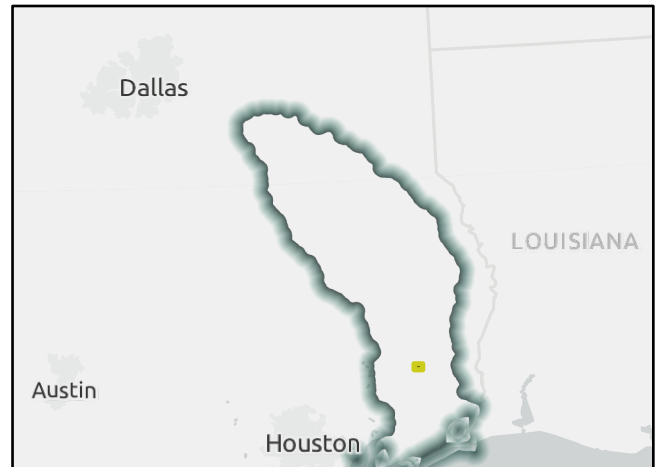Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $1,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: City of Reklaw Drainage System Upgrades

ID# 052000101   Sponsor: Reklaw (Municipality)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Cherokee

Strategy description: Establish plan to increase drainage capacity in sites that are prone to flooding.

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 0   # of structures: 1   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 1   Roadway(s) impacted (miles): 0

Number of low water crossings: 0   Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

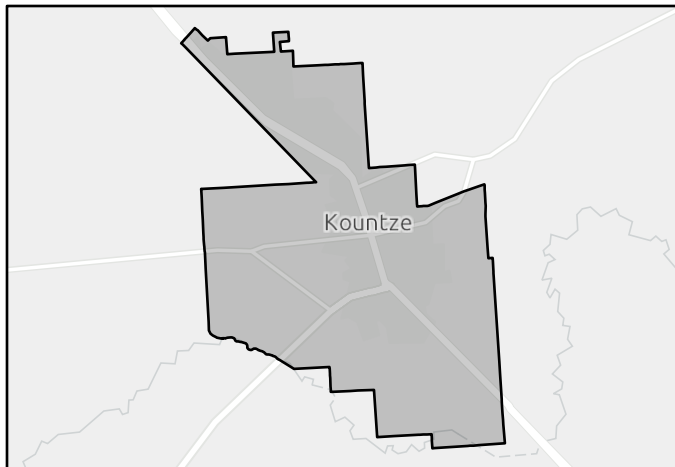Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

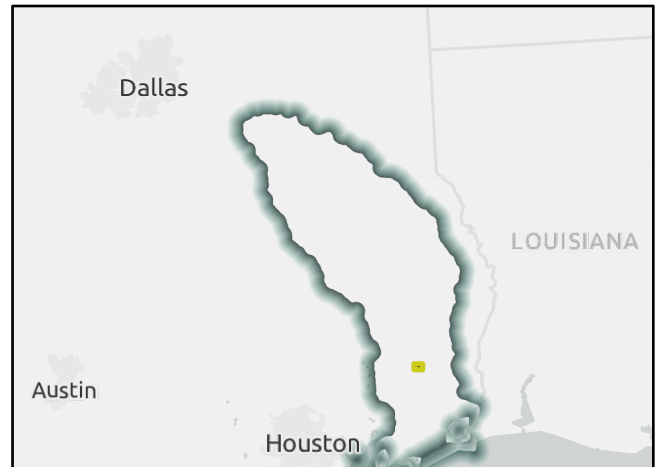Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $1,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title City of Rusk Culvert Improvements

ID# 052000102 **Sponsor** Rusk (Municipality)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Infrastructure Projects **County** Cherokee

Strategy description Establish plan to increase drainage capacity in sites that are prone to flooding.

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk 462 **# of structures** 41 **Critical facilities** 0

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres) 1 **Roadway(s) impacted (miles)** 2

Number of low water crossings 0 **Historical road closures** 0

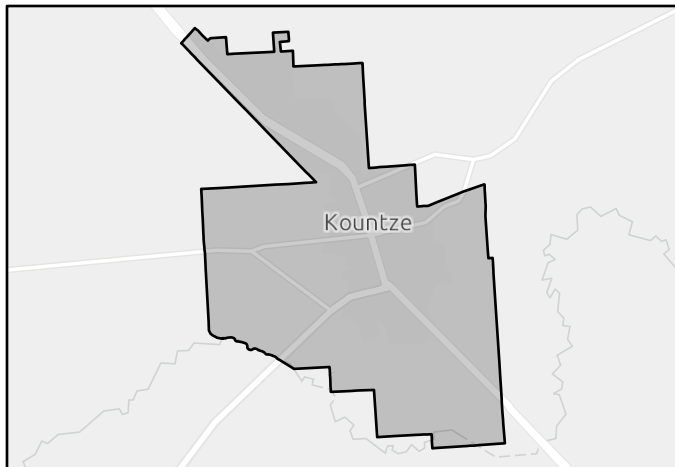## 100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

Other benefits - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $1,000,000 **Amount of available funding** - **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   City of Wells Culvert Improvements

ID#   052000103   Sponsor   Wells (Municipality)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Infrastructure Projects   County   Cherokee

Strategy description   Establish plan to increase drainage capacity in sites that are prone to flooding.

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk 0   # of structures   1   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   Yes   Playa?   No   Other?   No

Farm/Ranch land impacted (acres) 0   Roadway(s) impacted (miles)   0

Number of low water crossings   0   Historical road closures   0

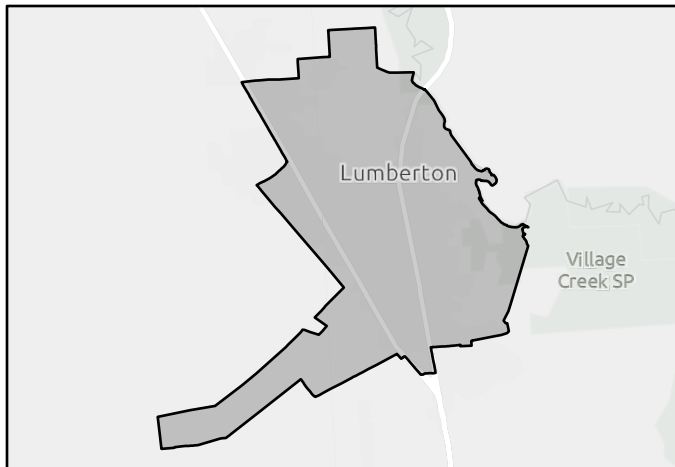## 100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres)   -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $1,000,000   Amount of available funding   -   % Nature-Based   0

FMS area   103 of 147   Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Culverts, Ditches, and Channel

ID# 052000104   Sponsor: Hardin (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Hardin

Strategy description: Establish plan to upgrade storm water capacity by installing/upgrading culverts and enlarging storm water channels.

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 10,528   # of structures: 3,678   Critical facilities: 25

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 743   Roadway(s) impacted (miles): 136

Number of low water crossings: 13   Historical road closures: 13
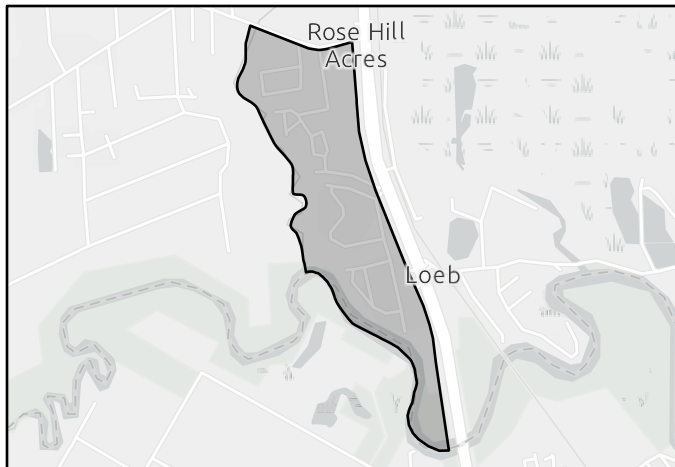
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -
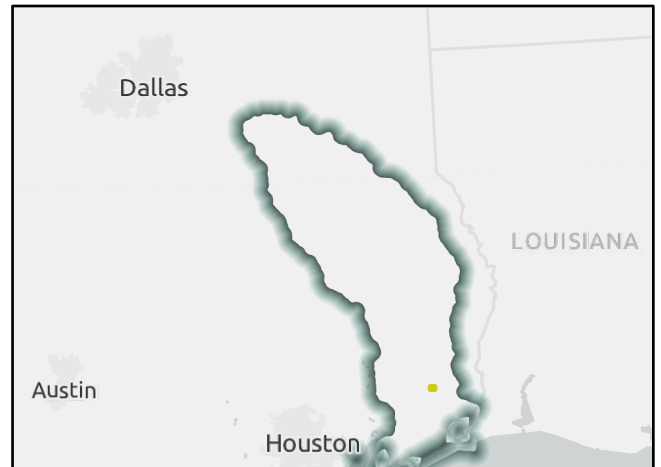
Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $3,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

Title Hardin County Detention Ponds

ID# 052000105   Sponsor Hardin (County)

RFPG recommend? Yes   Reason for Recommendation Complies with RFPG Goals

Strategy Details

Strategy type Infrastructure Projects   County Hardin

Strategy description Develop a program to construct water retention ponds to collect stormwater run-off, reduce flooding, and use as an alternate water source throughout Hardin County.

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Existing 100-Year Flood Risk

Population at risk 10,528   # of structures 3,678   Critical facilities 25

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres) 743   Roadway(s) impacted (miles) 136

Number of low water crossings 13   Historical road closures 13

## 100-Year Flood Risk Reduction

Population removed from 100-yr -   # of structures removed from 100-yr -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) -   Low water crossings removed from 100-yr -

Other benefits -   Reduction in # of road closures over 10 years -

Impacts

Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost

Strategy Cost $1,000,000   Amount of available funding -   % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Hardin County Elevate Roads and Bridges

ID# 052000106   Sponsor Hardin (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Hardin

Strategy description: Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.

Goal(s):
Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 10,528   # of structures 3,678   Critical facilities 25

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres) 743   Roadway(s) impacted (miles) 136

Number of low water crossings 13   Historical road closures 13
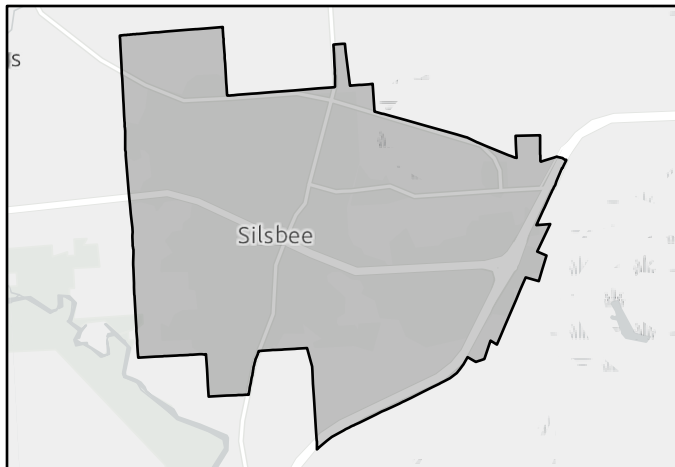
100-Year Flood Risk Reduction

Population removed from 100-yr -   # of structures removed from 100-yr -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) -   Low water crossings removed from 100-yr -

Other benefits -   Reduction in # of road closures over 10 years -
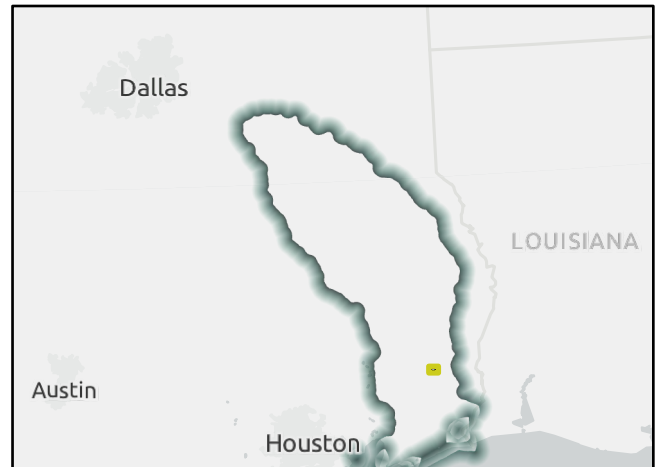
Impacts

Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost

Strategy Cost $10,000,000   Amount of available funding -   % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title — City of Kountze Culverts and Ditches

ID# 052000107   Sponsor Kountze (Municipality)

RFPG recommend? Yes   Reason for Recommendation Complies with RFPG Goals

Strategy Details

Strategy type — Infrastructure Projects   County Hardin

Strategy description — Develop plan to increase drainage capacity in sites that are prone to flooding.

Goal(s) —
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk 2   # of structures 3   Critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres) 0   Roadway(s) impacted (miles) 1

Number of low water crossings 0   Historical road closures 0

100-Year Flood Risk Reduction

Population removed from 100-yr -   # of structures removed from 100-yr -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) -   Low water crossings removed from 100-yr -

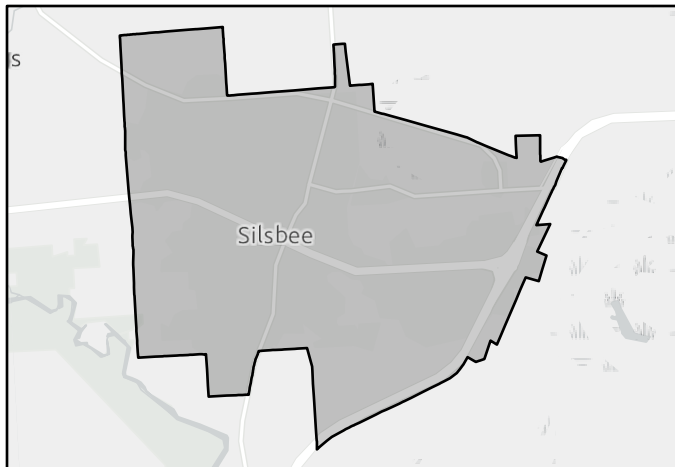Other benefits -   Reduction in # of road closures over 10 years -

Impacts

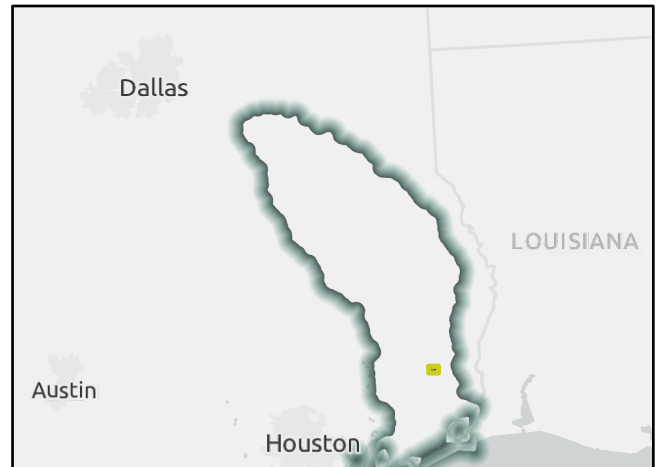Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost

Strategy Cost $3,000,000   Amount of available funding -   % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: City of Kountze Elevate Roads and Bridges

ID#: 052000108   Sponsor: Kountze (Municipality)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Hardin

Strategy description: Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.

Goal(s): Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk: 2   # of structures: 3   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 0   Roadway(s) impacted (miles): 1

Number of low water crossings: 0   Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $2,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title   City of Kountze General Drainage Improvements

ID#   052000109   Sponsor   Kountze (Municipality)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Infrastructure Projects   County   Hardin

Strategy description   Increase drainage capacity; add stormwater detention basins and stormwater pumping stations where gravity flow is not feasible.

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk 2   # of structures   3   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal? No   Local?   No   Playa?   No   Other?   Yes

Farm/Ranch land impacted (acres) 0   Roadway(s) impacted (miles)   1

Number of low water crossings   0   Historical road closures   0

100-Year Flood Risk Reduction
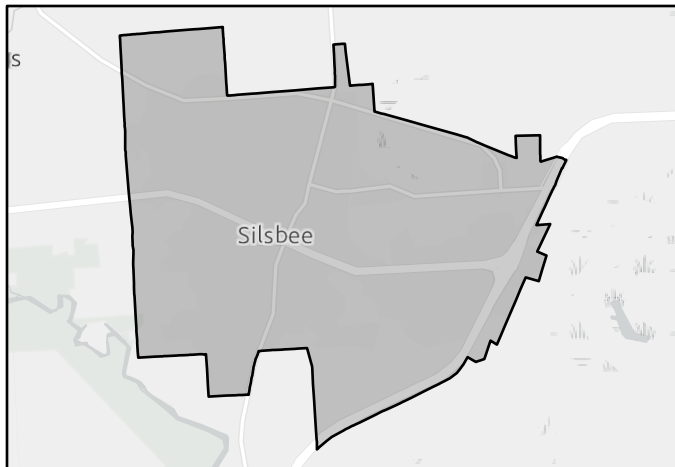
Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

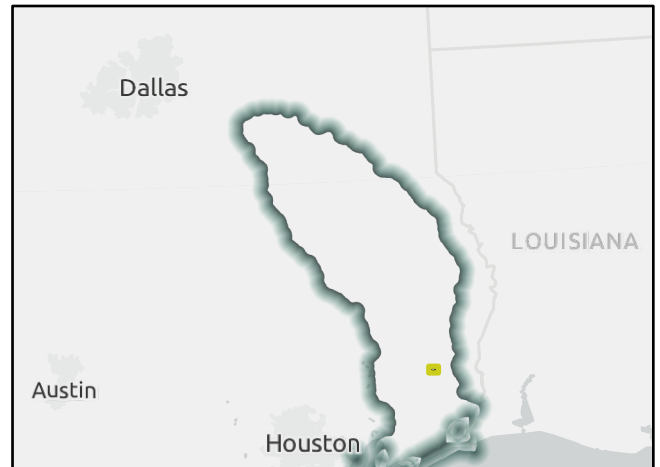Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions? No   Water supply contribution description   -

Estimated Cost

Strategy Cost $1,500,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title | City of Lumberton Culverts, Ditches, and Channels

ID# | 052000110 | Sponsor | Lumberton (Municipality)

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Infrastructure Projects | County | Hardin

Strategy description | Develop plan to increase drainage capacity in sites that are prone to flooding.

Goal(s) | Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk 658 | # of structures 235 | Critical facilities 0

Flood risk type: | Riverine? Yes | Coastal? No | Local? No | Playa? No | Other? Yes

Farm/Ranch land impacted (acres) 23 | Roadway(s) impacted (miles) 4

Number of low water crossings 1 | Historical road closures 1

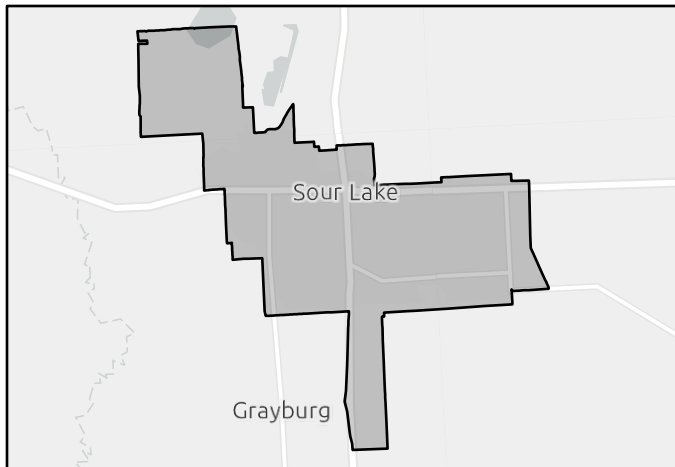## 100-Year Flood Risk Reduction

Population removed from 100-yr - | # of structures removed from 100-yr -

Critical facilities removed from 100-yr - | Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - | Low water crossings removed from 100-yr -

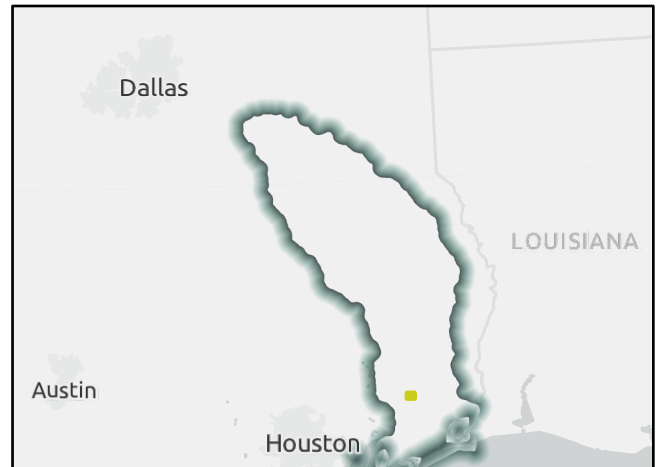Other benefits - | Reduction in # of road closures over 10 years -

Impacts

Negative impacts? No | Negative impacts description -

Water supply contributions? No | Water supply contribution description -

Estimated Cost

Strategy Cost $3,000,000 | Amount of available funding - | % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

REGIONAL FLOOD PLANNING GROUP

Title	City of Rose Hill Acres Flood Control Improvements

ID#	052000111	Sponsor	Rose Hill Acres (Municipality)

RFPG recommend?	Yes	Reason for Recommendation	Complies with RFPG Goals

Strategy Details

Strategy type	Infrastructure Projects	County	Hardin

Strategy description — Develop a program to upgrade flood control structures (barriers, berms) for the purpose of protecting critical facilities, potable water sources, and agricultural resources from water contamination and saltwater intrusion.

Goal(s)

Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk	278	# of structures	134	Critical facilities	0

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	No

Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	2
Number of low water crossings	0	Historical road closures	0

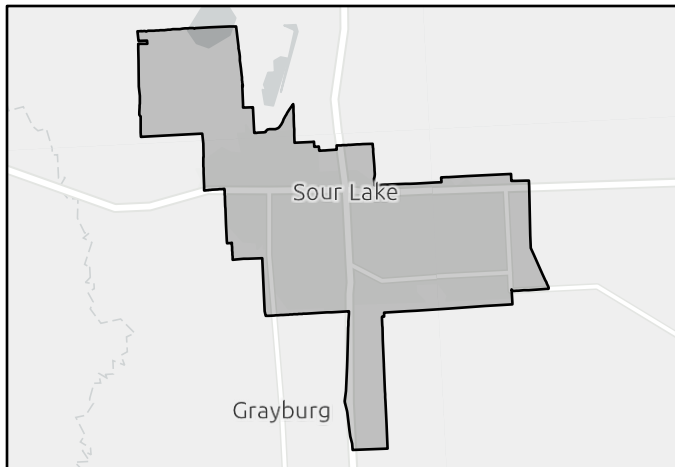## 100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	$3,000,000	Amount of available funding	-	% Nature-Based	0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

NECHES

Title: City of Rose Hill Acres General Drainage Improvements

ID# 052000112 Sponsor Rose Hill Acres (Municipality)

RFPG recommend? Yes

Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects

County: Hardin

Strategy description: Establish criteria to increase drainage capacity; add stormwater detention basins, box culverts and/or pipes to increase drainage capacity.

Goal(s): Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk: 278   # of structures: 134   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? No

Farm/Ranch land impacted (acres): 0   Roadway(s) impacted (miles): 2

Number of low water crossings: 0   Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

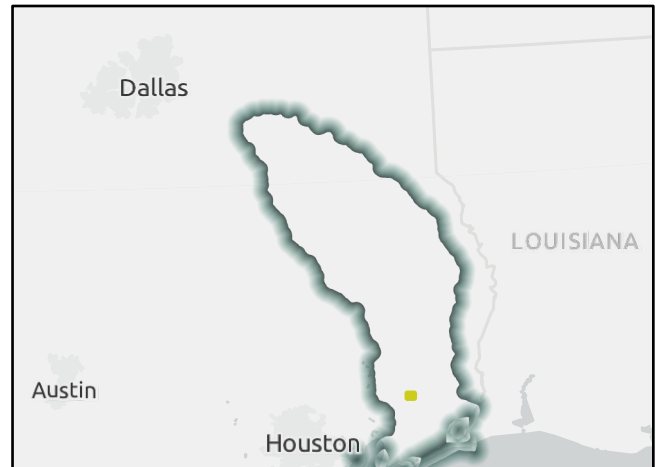Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $400,000   Amount of available funding: -   % Nature-Based: 0
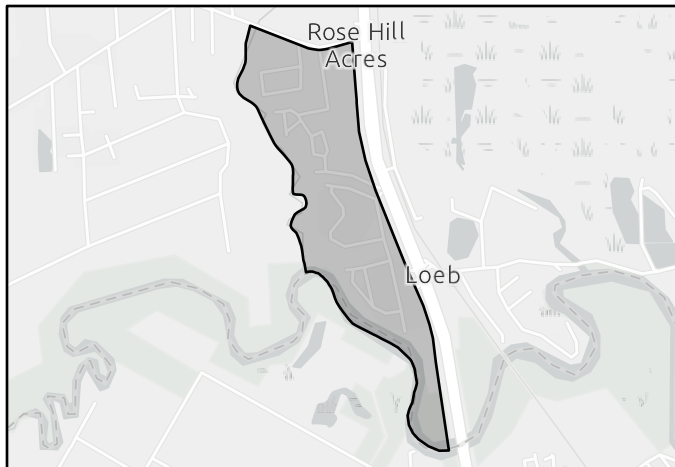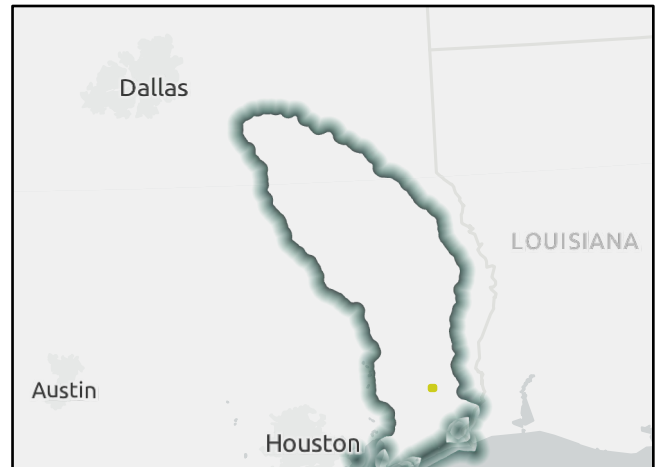
FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title City of Silsbee Detention, Culverts, Ditches and Channels

ID# 052000113   Sponsor Silsbee (Municipality)

RFPG recommend? Yes   Reason for Recommendation Complies with RFPG Goals

Strategy Details

Strategy type Infrastructure Projects   County Hardin

Strategy description Develop plan to increase drainage capacity in sites that are prone to flooding.

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Existing 100-Year Flood Risk

Population at risk 780   # of structures 87   Critical facilities 2

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres) 1   Roadway(s) impacted (miles) 2

Number of low water crossings 3   Historical road closures 3

100-Year Flood Risk Reduction

Population removed from 100-yr -   # of structures removed from 100-yr -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) -   Low water crossings removed from 100-yr -

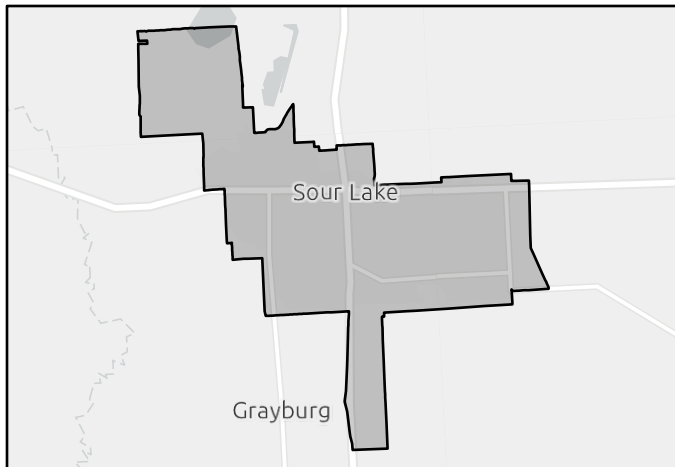Other benefits -   Reduction in # of road closures over 10 years -
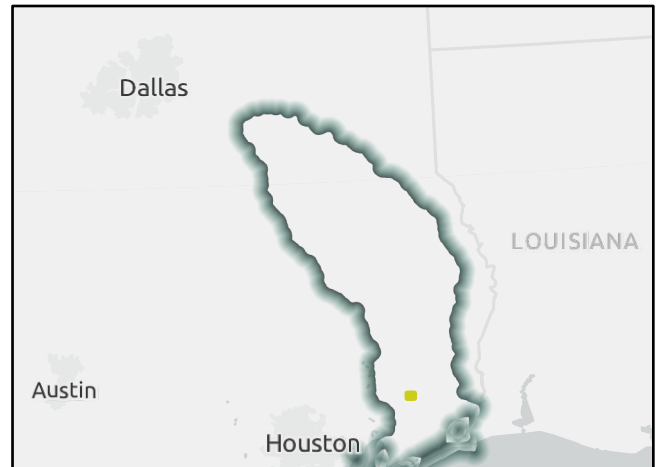
Impacts

Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost

Strategy Cost $1,500,000   Amount of available funding -   % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: City of Silsbee Drainage Ditches

ID#: 052000114 Sponsor: Silsbee (Municipality)

RFPG recommend? Yes

Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects

County: Hardin

Strategy description: Develop a program to upgrade drainage ditches and explore converting necessary ditches into curb / sewer construction.

Goal(s): Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

Existing 100-Year Flood Risk

Population at risk: 780   # of structures: 87   Critical facilities: 2

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 1   Roadway(s) impacted (miles): 2

Number of low water crossings: 3   Historical road closures: 3

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

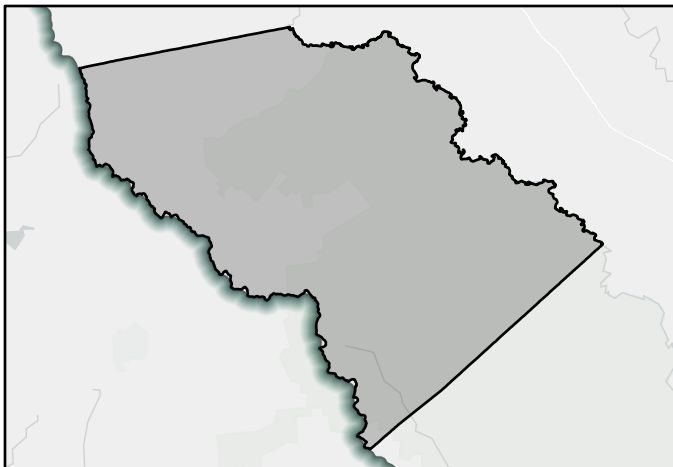Other benefits: -   Reduction in # of road closures over 10 years: -
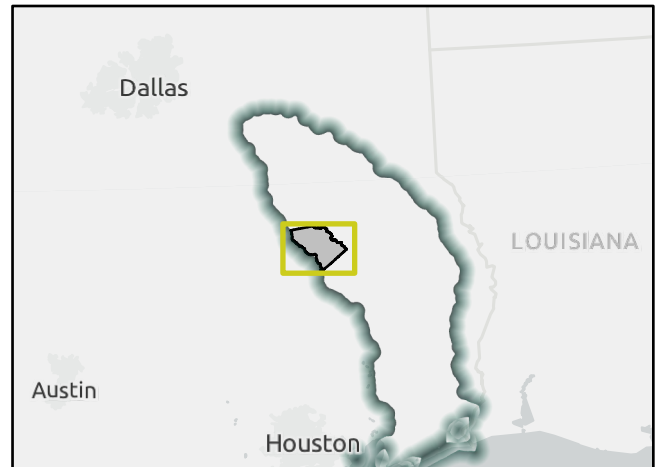
Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $1,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title   City of Silsbee Flood Mitigation for Hendrix Development

ID#   052000115   Sponsor   Silsbee (Municipality)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Infrastructure Projects   County   Hardin

Strategy description   Explore, plan, and implement flood mitigation strategies within the Hendrix Development.

Goal(s)

Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Existing 100-Year Flood Risk

Population at risk   780   # of structures   87   Critical facilities   2

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   No   Playa?   No   Other?   Yes

Farm/Ranch land impacted (acres)   1   Roadway(s) impacted (miles)   2

Number of low water crossings   3   Historical road closures   3

100-Year Flood Risk Reduction
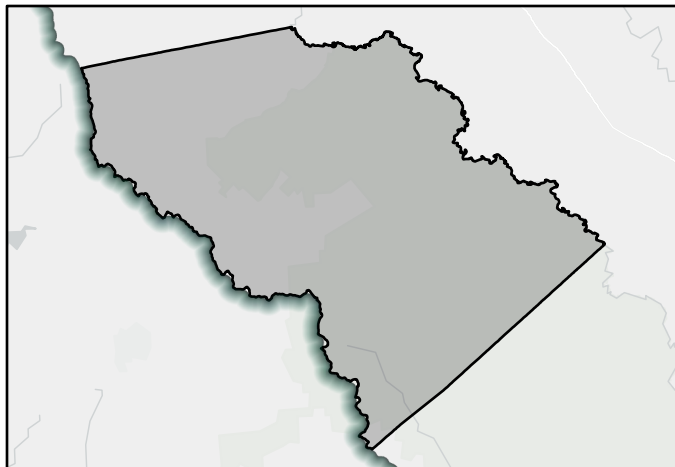
Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

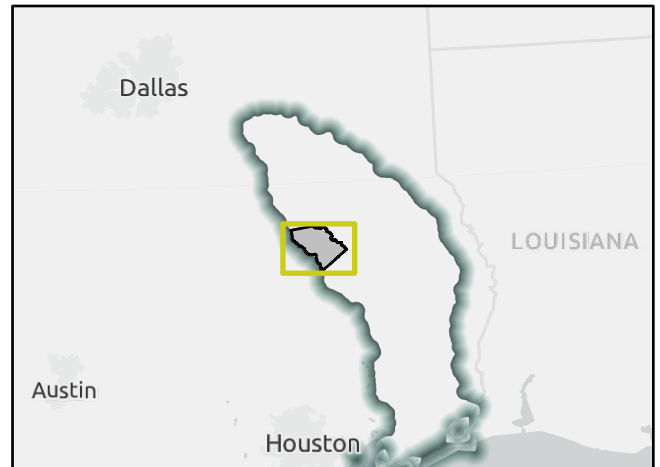Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $5,000,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: City of Sour Lake Channel Improvements

ID#: 052000116   Sponsor: Sour Lake (Municipality)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Hardin

Strategy description: Establish criteria and standards for installing large concrete channels, box culvert, concrete pipe, and/or mechanisms as needed to mitigate drainage ditch erosion and improve water capacity and conveyance.

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

Existing 100-Year Flood Risk

Population at risk: 1,687   # of structures: 435   Critical facilities: 7

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 7   Roadway(s) impacted (miles): 8

Number of low water crossings: 3   Historical road closures: 3

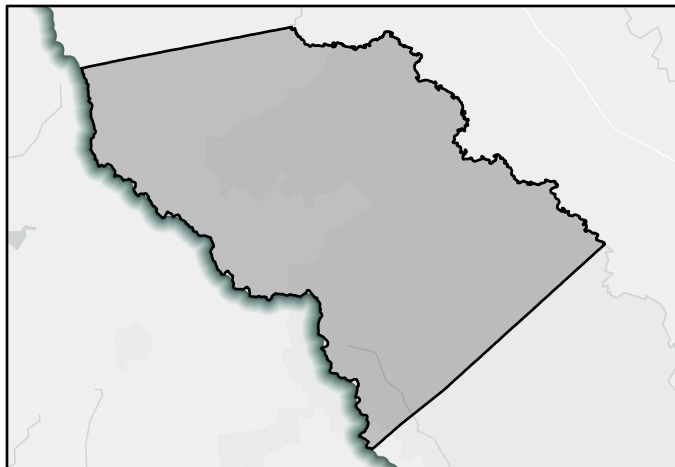## 100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -
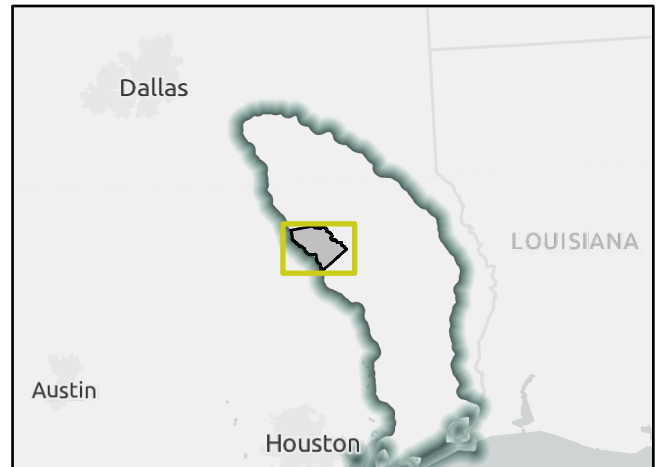
Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $500,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   City of Sour Lake Drainage Outfalls

ID#   052000117   **Sponsor**   Sour Lake (Municipality)

RFPG recommend?   Yes   **Reason for Recommendation**   Complies with RFPG Goals

Strategy Details

Strategy type   Infrastructure Projects   **County**   Hardin

Strategy description   Advance a plan to rectify, enlarge, and maintain outfall channels for the City of Sour Lake, including excavating interior roadside ditches.

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 4: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.

Existing 100-Year Flood Risk

Population at risk 1,687   **# of structures** 435   **Critical facilities** 7

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** No   **Playa?** No   **Other?** Yes

Farm/Ranch land impacted (acres) 7   **Roadway(s) impacted (miles)** 8

Number of low water crossings 3   **Historical road closures** 3
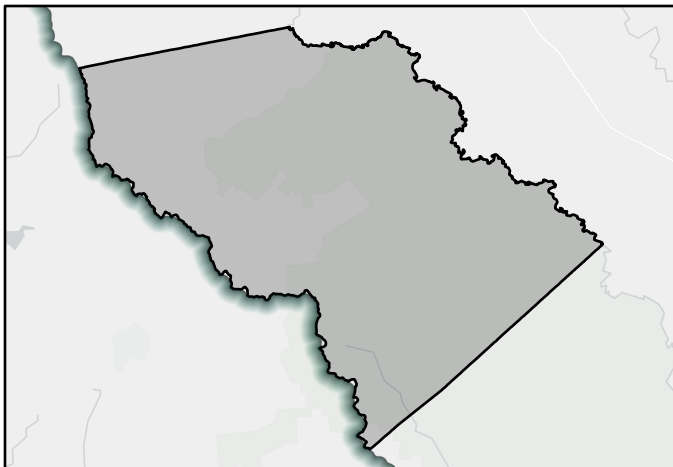
100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $1,000,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title City of Sour Lake Stormwater Detention

ID# 052000118   **Sponsor** Sour Lake (Municipality)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Infrastructure Projects   **County** Hardin

Strategy description Establish criteria and standards to construct water retention ponds to collect stormwater run-off and reduce flooding.

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Existing 100-Year Flood Risk

Population at risk 1,687   **# of structures** 435   **Critical facilities** 7

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** No   **Playa?** No   **Other?** Yes

Farm/Ranch land impacted (acres) 7   **Roadway(s) impacted (miles)** 8

Number of low water crossings 3   **Historical road closures** 3

100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

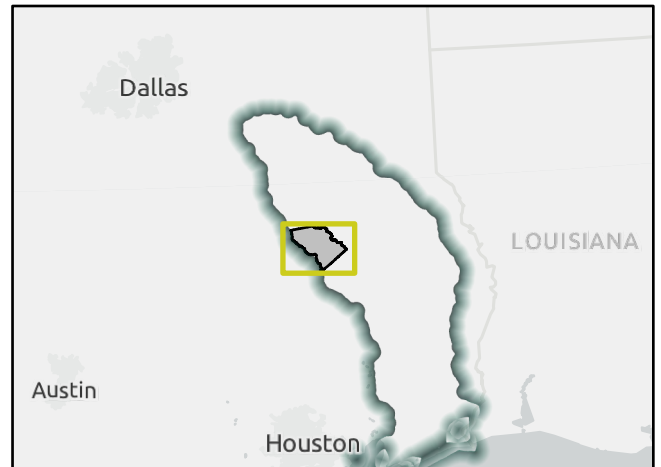**Other benefits** -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $7,000,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES REGIONAL FLOOD PLANNING GROUP

Title: Houston County Drainage Culvert Upgrades

ID# 052000119   Sponsor: Houston (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Houston

Strategy description: Develop a plan to expand/upgrade drainage culverts to prevent flooded roadways and add signage in low-water crossings.

Goal(s): Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk: 16   # of structures: 17   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 117   Roadway(s) impacted (miles): 20

Number of low water crossings: 7   Historical road closures: 7

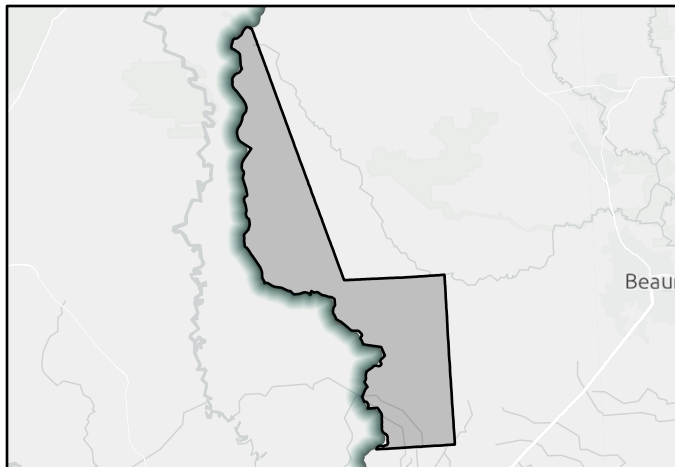## 100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

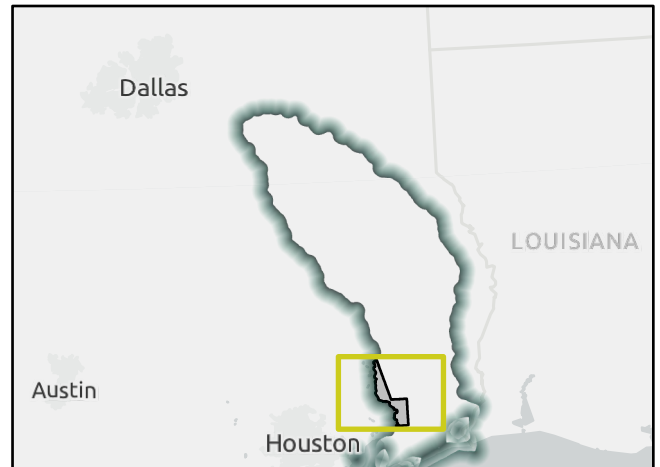Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $3,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: Houston County Flood Infrastructure Maintenance

ID# 052000120   Sponsor: Houston (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Houston

Strategy description: Clear debris from bridges, box culverts, and drainage systems throughout unincorporated county.

Goal(s):
Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

Existing 100-Year Flood Risk

Population at risk: 16   # of structures: 17   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 117   Roadway(s) impacted (miles): 20

Number of low water crossings: 7   Historical road closures: 7

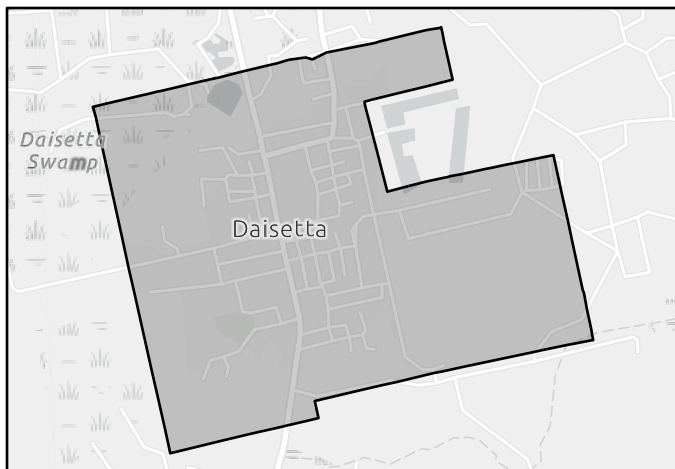## 100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -
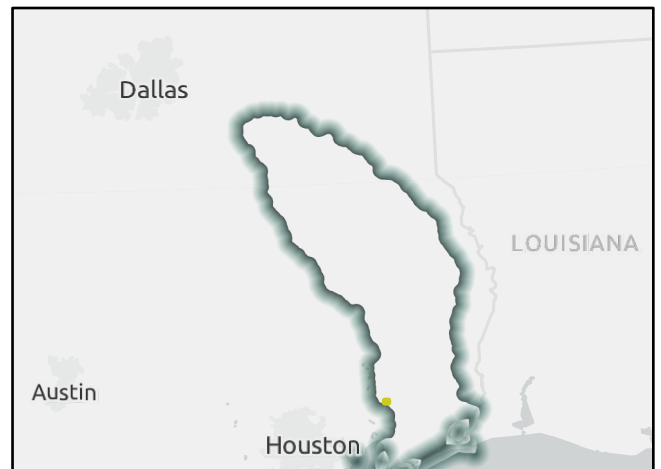
Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $2,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title | City of Grapeland Critical Facilities Flood-Proofing

ID# | 052000121 Sponsor | Houston (County)

RFPG recommend? | Yes Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Infrastructure Projects County | Houston

Strategy description | Flood proof critical facilities to the 500-year flood that are located in flood-prone areas of the city.

Goal(s) | Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk | 16 # of structures | 17 Critical facilities | 0

Flood risk type: | Riverine? | Yes Coastal? | No Local? | Yes Playa? | No Other? | Yes

Farm/Ranch land impacted (acres) | 117 Roadway(s) impacted (miles) | 20

Number of low water crossings | 7 Historical road closures | 7

100-Year Flood Risk Reduction

Population removed from 100-yr | - # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | - Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | - Low water crossings removed from 100-yr | -

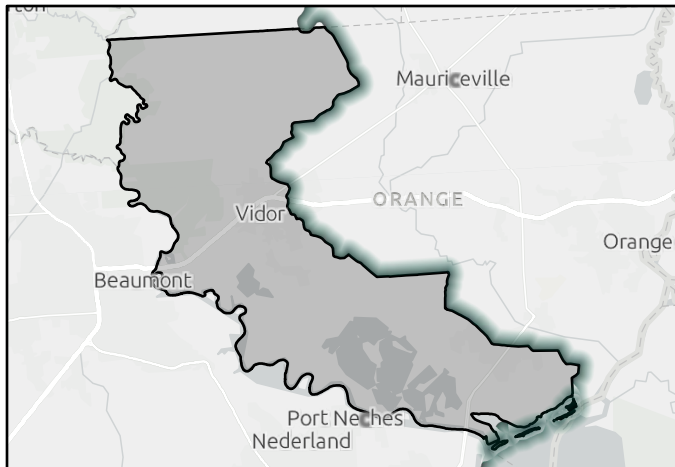Other benefits | - Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No Negative impacts description | -

Water supply contributions? | No Water supply contribution description | -

Estimated Cost

Strategy Cost | $1,000,000 Amount of available funding | - % Nature-Based | 0

FMS area

Dallas

LOUISIANA

Austin

Houston

Regional view of FMS area

Flood Management Strategy (FMS)

Title   City of Kennard Ditch Maintenance Program

ID#   052000122   Sponsor   Kennard (Municipality)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Infrastructure Projects   County   Houston

Strategy description   Implement program to routinely remove debris from drainage ways and roadside ditches to prevent back up of flood velocity and improve conveyance of stream during flood events.

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

Existing 100-Year Flood Risk

Population at risk   16   # of structures   17   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   Yes   Playa?   No   Other?   Yes

Farm/Ranch land impacted (acres)   117   Roadway(s) impacted (miles)   20

Number of low water crossings   7   Historical road closures   7

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres)   -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts
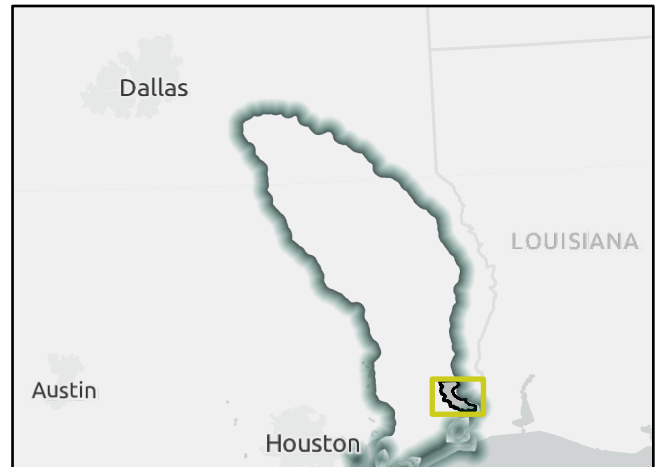
Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $1,000,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   Liberty County Drainage Projects

ID#   052000123   Sponsor   Liberty (County)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Infrastructure Projects   County   Liberty

Strategy description   The county will work with partnering jurisdictions and engineers in order to implement drainage projects throughout the county- including adding ditches, detention ponds and detention basins in identified locations throughout the county.

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Existing 100-Year Flood Risk

Population at risk   143   # of structures   116   Critical facilities   1

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   No   Playa?   No   Other?   Yes

Farm/Ranch land impacted (acres)   1,526   Roadway(s) impacted (miles)   7

Number of low water crossings   0   Historical road closures   0
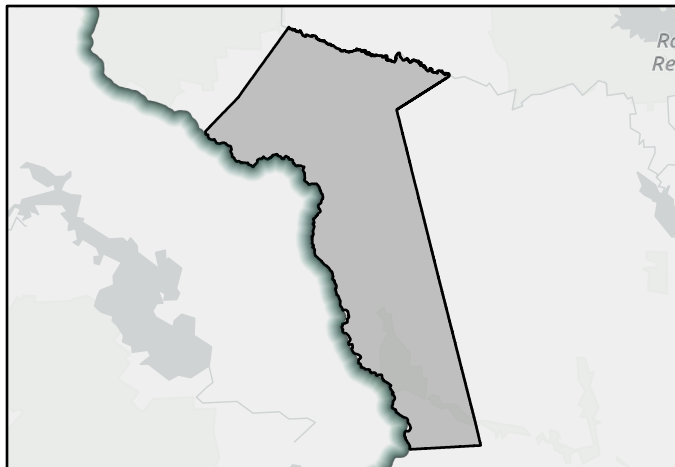
100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres)   -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $2,000,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title	City of Daisetta Culvert Maintenance and Upgrades

ID#	052000124	Sponsor	Daisetta (Municipality)

RFPG recommend?	Yes	Reason for Recommendation	Complies with RFPG Goals

Strategy Details

		County	Liberty
Strategy type	Infrastructure Projects		

Strategy description: Removal of debris, silt and vegetation obstacles in drainage ways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.

Goal(s):
Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

Existing 100-Year Flood Risk

Population at risk	0	# of structures	0	Critical facilities	0

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	No	Playa?	No	Other?	Yes

Farm/Ranch land impacted (acres)	0	Roadway(s) impacted (miles)	0
Number of low water crossings	0	Historical road closures	0

100-Year Flood Risk Reduction
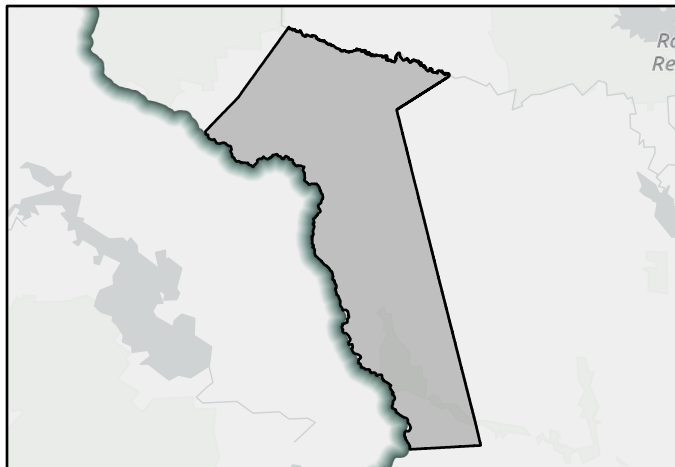
Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	$1,000,000	Amount of available funding	-	% Nature-Based	0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: OCDD Flood Infrastructure Improvements

ID#: 052000125   Sponsor: Orange County Drainage District

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Orange

Strategy description: Support regional efforts to plan, design, and construct large scale flood control / storm surge protection improvements

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk: 11,929   # of structures: 5,007   Critical facilities: 36

Flood risk type: Riverine? Yes   Coastal? Yes   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 346   Roadway(s) impacted (miles): 136

Number of low water crossings: 20   Historical road closures: 20

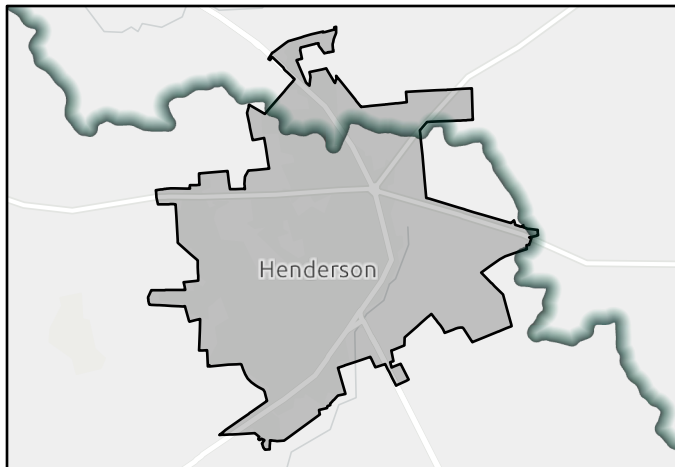## 100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -
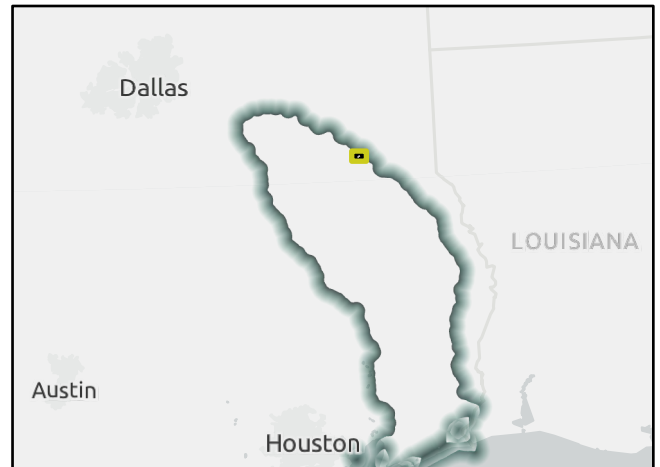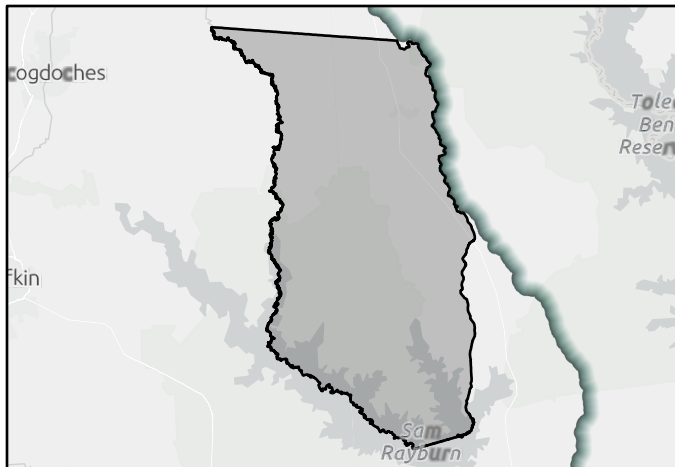
Impacts

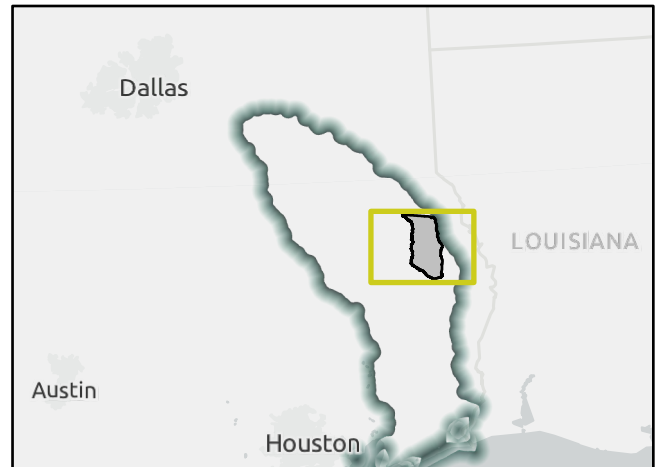Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $3,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title Polk County Facilities Hazard Hardening Retrofit

ID# 052000126 **Sponsor** Polk (County)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Strategy Details

Strategy type Infrastructure Projects **County** Polk

Strategy description Activities may include but are not limited to: flood proofing, impact resistant windows, storm shutters, roof straps, structural bracing, low-flow plumbing fixtures, roll-up door reinforcement, grounding systems, and surge-protection.

Goal(s)
Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 368 **# of structures** 84 **Critical facilities** 0

Flood risk type: **Riverine?** Yes **Coastal?** No **Local?** No **Playa?** No **Other?** Yes

Farm/Ranch land impacted (acres) 62 **Roadway(s) impacted (miles)** 17

Number of low water crossings 8 **Historical road closures** 8

100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

Other benefits - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $1,500,000 **Amount of available funding** - **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title | Polk County Flood Infrastructure Improvements

ID# | 052000127 | Sponsor | Polk (County)

RFPG recommend? | Yes | Reason for Recommendation | Complies with RFPG Goals

Strategy Details

Strategy type | Infrastructure Projects | County | Polk

Strategy description | Implement program to elevate and reinforce roadways and bridges prone to inundation from flooding. Projects may include general road elevation; upgrading culverts and installing headwalls; upgrades and reinforcement of bridges and bridge footings.

Goal(s) | Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk | 368 | # of structures | 84 | Critical facilities | 0

Flood risk type: | Riverine? | Yes | Coastal? | No | Local? | No | Playa? | No | Other? | Yes

Farm/Ranch land impacted (acres) | 62 | Roadway(s) impacted (miles) | 17

Number of low water crossings | 8 | Historical road closures | 8

100-Year Flood Risk Reduction

Population removed from 100-yr | - | # of structures removed from 100-yr | -

Critical facilities removed from 100-yr | - | Farm/Ranch land removed from 100-yr (acres) | -

Road removed from 100-yr (miles) | - | Low water crossings removed from 100-yr | -

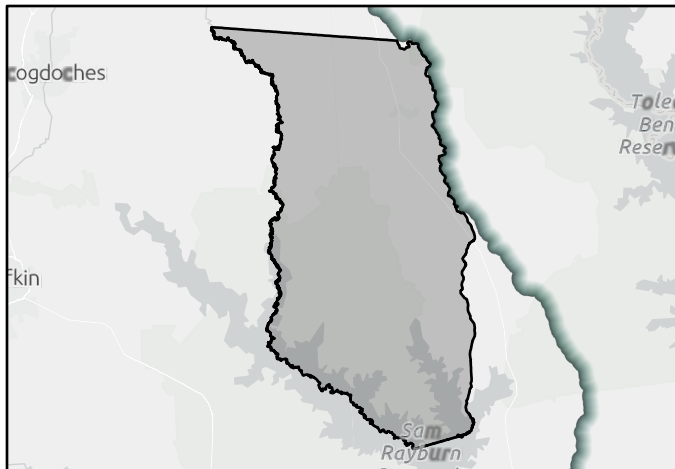Other benefits | - | Reduction in # of road closures over 10 years | -

Impacts

Negative impacts? | No | Negative impacts description | -

Water supply contributions? | No | Water supply contribution description | -

Estimated Cost

Strategy Cost | $2,000,000 | Amount of available funding | - | % Nature-Based | 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title — City of Henderson Flood Infrastructure Maintenance

ID# 052000128   Sponsor — Henderson (Municipality)

RFPG recommend? Yes

Reason for Recommendation — Complies with RFPG Goals

Strategy Details

Strategy type — Infrastructure Projects   County — Rusk

Strategy description — Establish a plan to conduct various flood control maintenance improvements throughout the City

Goal(s) —
Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

Existing 100-Year Flood Risk

Population at risk 97   # of structures 37   Critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres) 5   Roadway(s) impacted (miles) 2

Number of low water crossings 0   Historical road closures 0

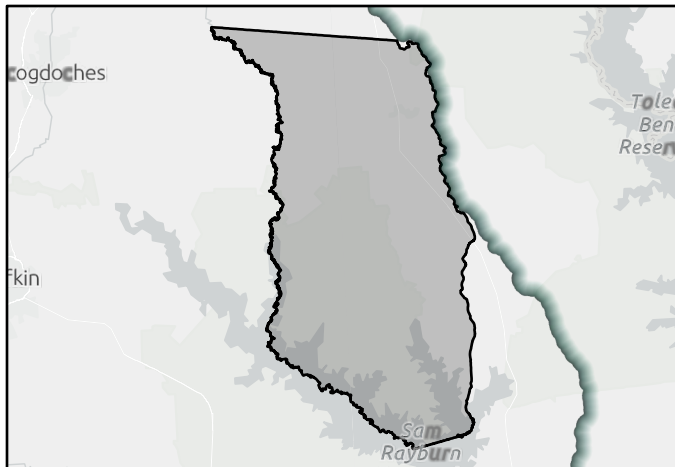## 100-Year Flood Risk Reduction

Population removed from 100-yr -   # of structures removed from 100-yr -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) -   Low water crossings removed from 100-yr -

Other benefits -   Reduction in # of road closures over 10 years -
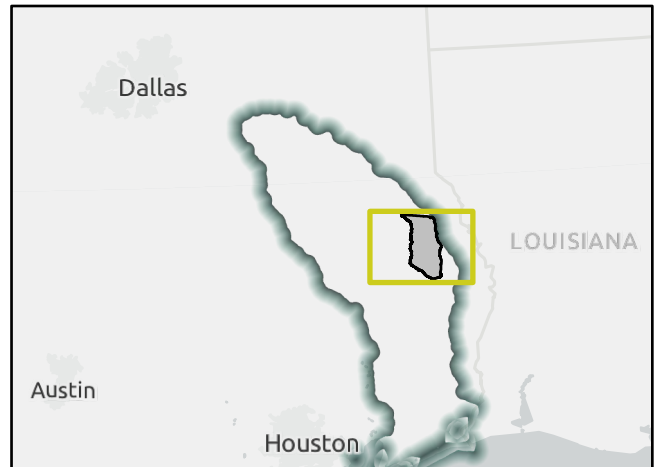
Impacts

Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost

Strategy Cost $1,000,000   Amount of available funding -   % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: San Augustine County Bridge Improvements

ID# 052000129   Sponsor: San Augustine (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: San Augustine

Strategy description: Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.

Goal(s): Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 146   # of structures 64   Critical facilities 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres) 42   Roadway(s) impacted (miles) 13

Number of low water crossings 2   Historical road closures 2

100-Year Flood Risk Reduction

Population removed from 100-yr -   # of structures removed from 100-yr -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) -   Low water crossings removed from 100-yr -

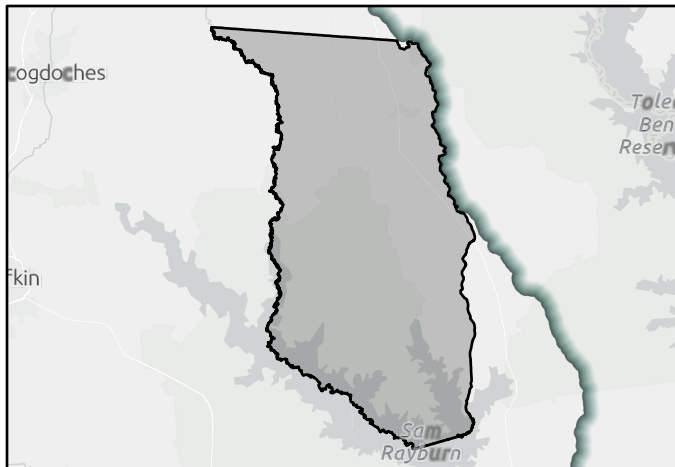Other benefits -   Reduction in # of road closures over 10 years -

Impacts

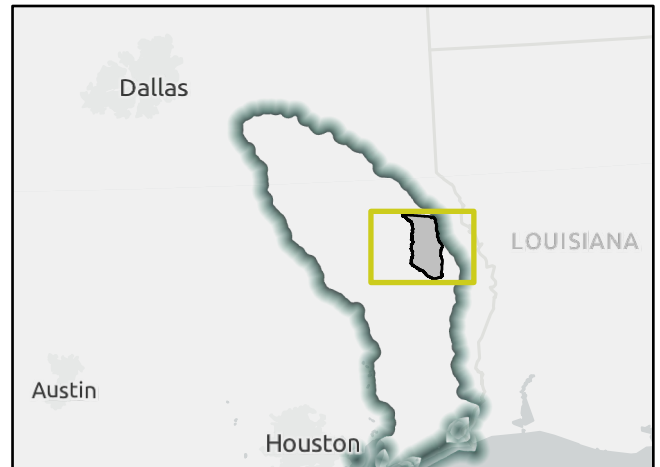Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost

Strategy Cost $2,000,000   Amount of available funding -   % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title San Augustine County Culvert Upgrades

ID# 052000130   **Sponsor** San Augustine (County)

RFPG recommend? Yes   **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Infrastructure Projects   **County** San Augustine

Strategy description Establish a plan to upgrade culverts in county extent. Actions can include but are not limited to: installing/upgrading culverts and headwalls; and enlarging storm water ditches and canals.

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk 146   **# of structures** 64   **Critical facilities** 0

Flood risk type: **Riverine?** Yes   **Coastal?** No   **Local?** Yes   **Playa?** No   **Other?** No

Farm/Ranch land impacted (acres) 42   **Roadway(s) impacted (miles)** 13

Number of low water crossings 2   **Historical road closures** 2
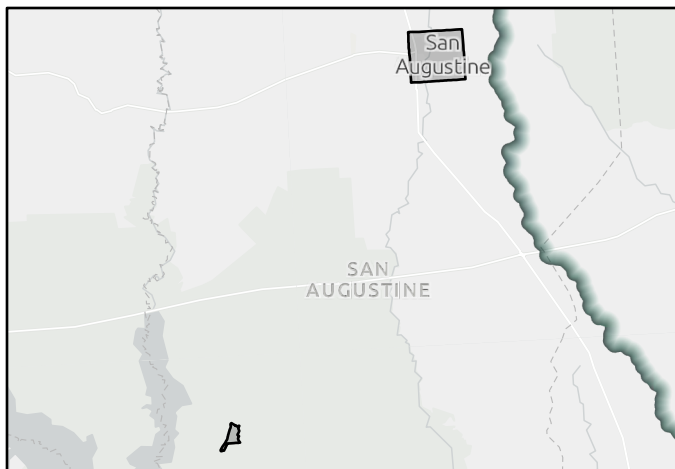
100-Year Flood Risk Reduction

Population removed from 100-yr -   **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr -   **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) -   **Low water crossings removed from 100-yr** -

Other benefits -   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Strategy Cost $2,000,000   **Amount of available funding** -   **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   San Augustine County Facilities Hazard Hardening Retrofit

ID#   052000131   Sponsor   San Augustine (County)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Infrastructure Projects   County   San Augustine

Strategy description   Actions can include but are not limited to: installing window screens, storm shutters, window film reinforcements, roof straps, and flood proofing.

Goal(s)
Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk   146   # of structures   64   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   Yes   Playa?   No   Other?   No

Farm/Ranch land impacted (acres)   42   Roadway(s) impacted (miles)   13

Number of low water crossings   2   Historical road closures   2

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres)   -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -
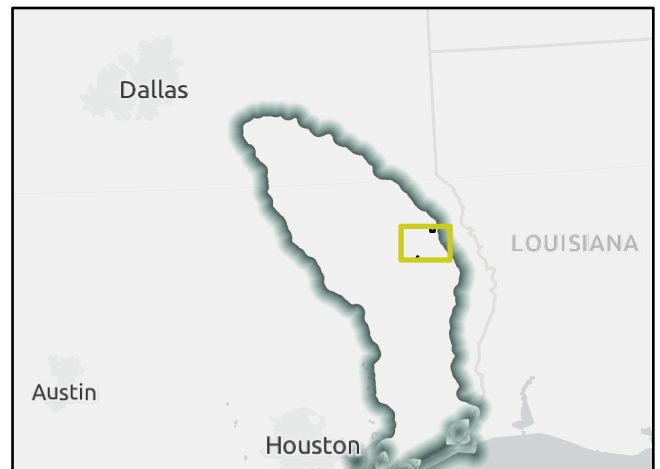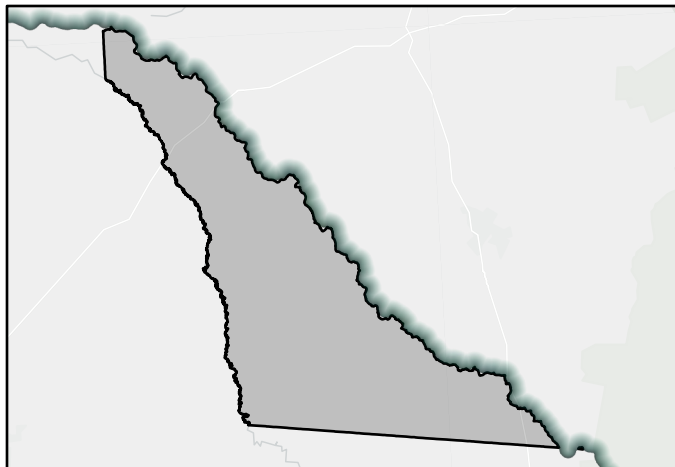
Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $1,500,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: San Augustine County Detention and Retention Pond Construction

ID#: 052000132   Sponsor: San Augustine (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: San Augustine

Strategy description: Construct storm water detention/retention ponds at strategic locations for improved stormwater storage to hold storm water run-off and as a mitigation measure for drought and wildfire.

Goal(s): Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk: 146   # of structures: 64   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 42   Roadway(s) impacted (miles): 13

Number of low water crossings: 2   Historical road closures: 2

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

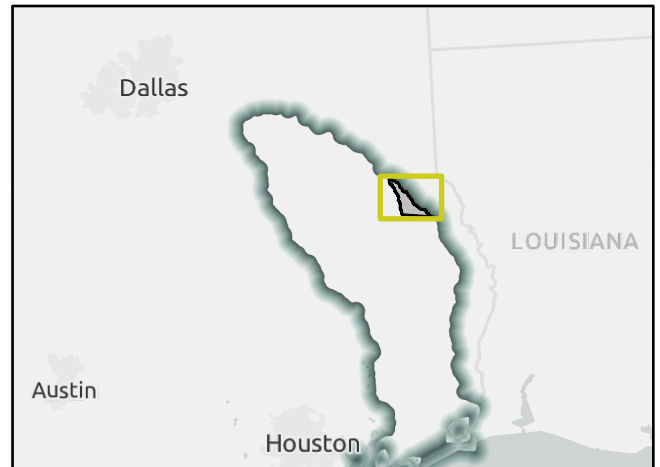Other benefits: -   Reduction in # of road closures over 10 years: -
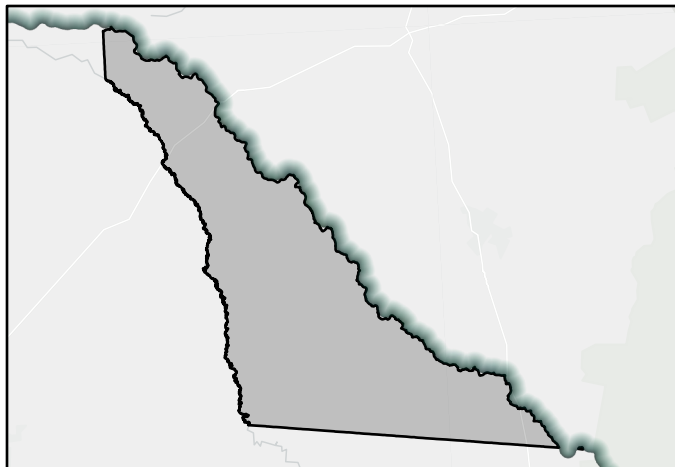
Impacts

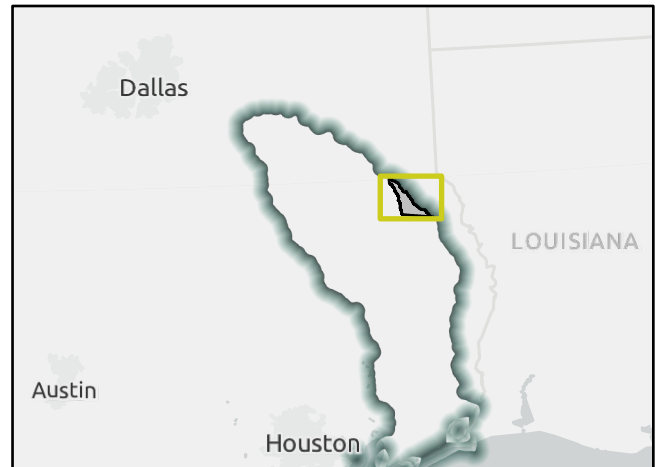Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $3,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title	City of San Augustine and City of Broaddus County Facilities Hazard Hardening Retrofit
ID#	052000133
Sponsor	San Augustine (Municipality)
RFPG recommend?	Yes
Reason for Recommendation	Complies with RFPG Goals

Strategy Details

Strategy type	Infrastructure Projects
County	San Augustine

Strategy description: Construct flood protection, winter storm-hardening, and expansive soils mitigation projects for water distribution networks and wastewater facilities for Cities of Broaddus and San Augustine.

Goal(s):
Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk	114	# of structures	34	Critical facilities	0

Flood risk type:	Riverine?	Yes	Coastal?	No	Local?	Yes	Playa?	No	Other?	No

Farm/Ranch land impacted (acres)	2	Roadway(s) impacted (miles)	1
Number of low water crossings	0	Historical road closures	0

100-Year Flood Risk Reduction

Population removed from 100-yr	-	# of structures removed from 100-yr	-
Critical facilities removed from 100-yr	-	Farm/Ranch land removed from 100-yr (acres)	-
Road removed from 100-yr (miles)	-	Low water crossings removed from 100-yr	-
Other benefits	-	Reduction in # of road closures over 10 years	-

Impacts

Negative impacts?	No	Negative impacts description	-
Water supply contributions?	No	Water supply contribution description	-

Estimated Cost

Strategy Cost	$1,000,000	Amount of available funding	-	% Nature-Based	0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title   Shelby County Detention and Retention Pond Construction

ID#   052000134   Sponsor   Shelby (County)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Infrastructure Projects   County   Shelby

Strategy description   Establish a plan and necessary standards to construct storm water detention/retention ponds at strategic locations for improved stormwater storage to hold storm water run-off and as a mitigation measure for drought and wildfire

Goal(s)

Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Existing 100-Year Flood Risk

Population at risk   8   # of structures   15   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   Yes   Playa?   No   Other?   No

Farm/Ranch land impacted (acres)   56   Roadway(s) impacted (miles)   5

Number of low water crossings   4   Historical road closures   4

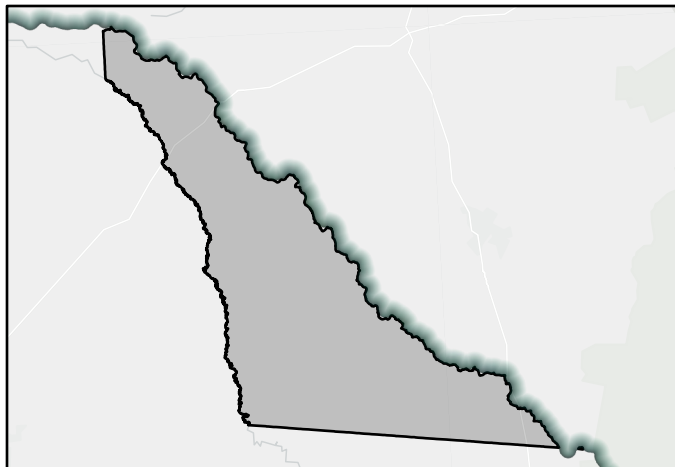## 100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -
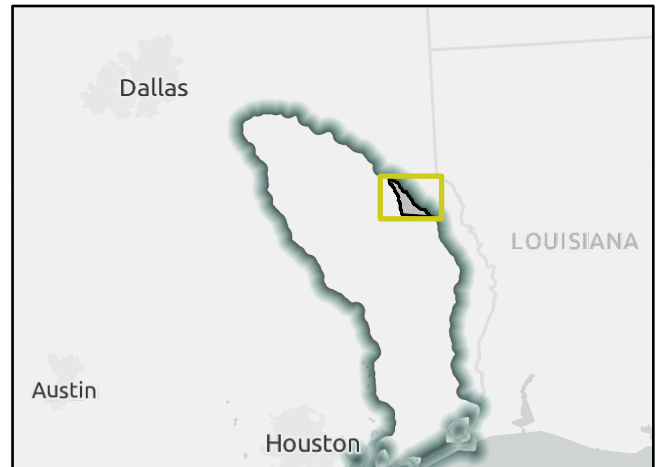
Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $3,000,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Dallas

Austin

Houston

LOUISIANA

Flood Management Strategy (FMS)

Title **Shelby County Drainage Upgrades**

ID# **052000135**   Sponsor **Shelby (County)**

RFPG recommend? **Yes**   Reason for Recommendation **Complies with RFPG Goals**

Strategy Details

Strategy type **Infrastructure Projects**   County **Shelby**

Strategy description **Establish a plan to upgrade stormwater conveyance capacity via drainage improvement projects**

Goal(s)
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.

Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk **8**   # of structures **15**   Critical facilities **0**

Flood risk type: Riverine? **Yes**   Coastal? **No**   Local? **Yes**   Playa? **No**   Other? **No**

Farm/Ranch land impacted (acres) **56**   Roadway(s) impacted (miles) **5**

Number of low water crossings **4**   Historical road closures **4**
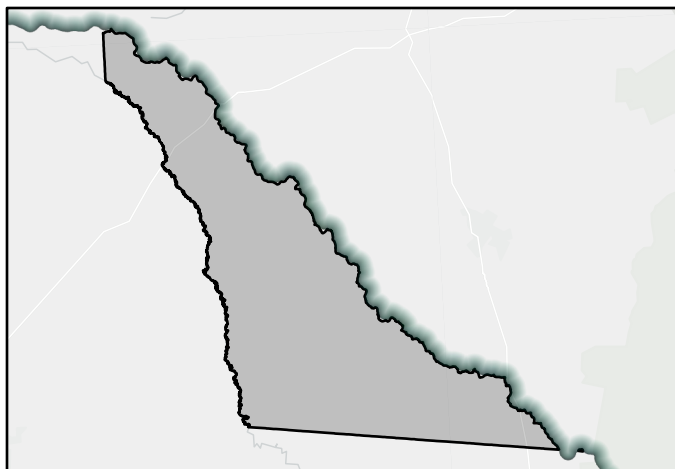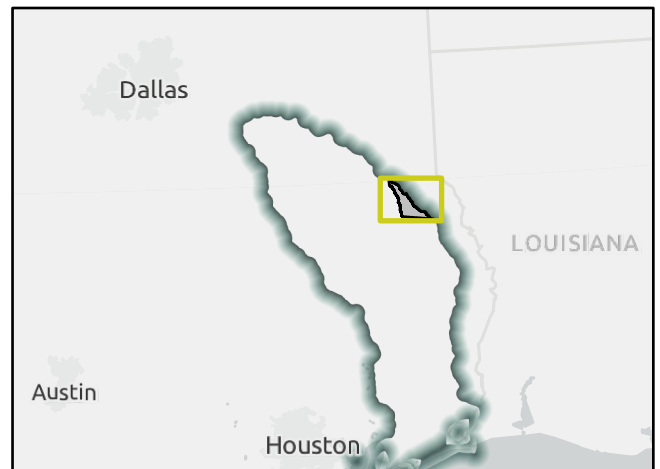
100-Year Flood Risk Reduction

Population removed from 100-yr **-**   # of structures removed from 100-yr **-**

Critical facilities removed from 100-yr **-**   Farm/Ranch land removed from 100-yr (acres) **-**

Road removed from 100-yr (miles) **-**   Low water crossings removed from 100-yr **-**

Other benefits **-**   Reduction in # of road closures over 10 years **-**

Impacts

Negative impacts? **No**   Negative impacts description **-**

Water supply contributions? **No**   Water supply contribution description **-**

Estimated Cost

Strategy Cost **$2,000,000**   Amount of available funding **-**   % Nature-Based **0**

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title Shelby County Facilities Hazard Hardening Retrofit

ID# 052000136 **Sponsor** Shelby (County)

RFPG recommend? Yes **Reason for Recommendation** Complies with RFPG Goals

Strategy Details

Strategy type Infrastructure Projects **County** Shelby

Strategy description Establish a plan to storm-harden and/or retrofit existing and newly constructed critical facilities

Goal(s)
Goal 1: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 15%.
Goal 2: Reduce the number of critical facilities in the 100-year flood risk inundation extents by 25%.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 4: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 8 **# of structures** 15 **Critical facilities** 0

Flood risk type: **Riverine?** Yes **Coastal?** No **Local?** Yes **Playa?** No **Other?** No

Farm/Ranch land impacted (acres) 56 **Roadway(s) impacted (miles)** 5

Number of low water crossings 4 **Historical road closures** 4
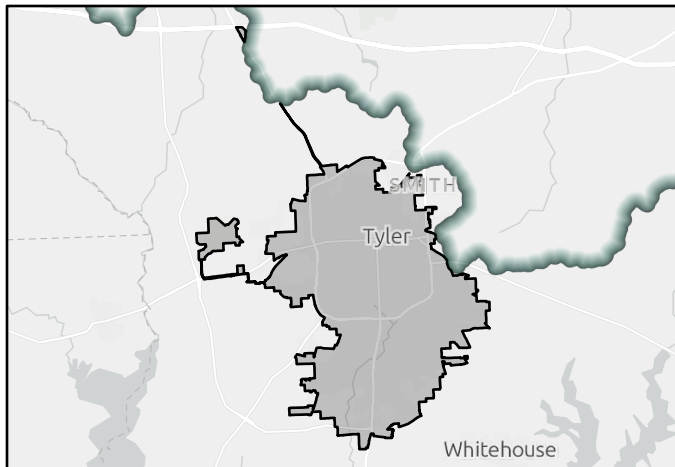
100-Year Flood Risk Reduction

Population removed from 100-yr - **# of structures removed from 100-yr** -

Critical facilities removed from 100-yr - **Farm/Ranch land removed from 100-yr (acres)** -

Road removed from 100-yr (miles) - **Low water crossings removed from 100-yr** -

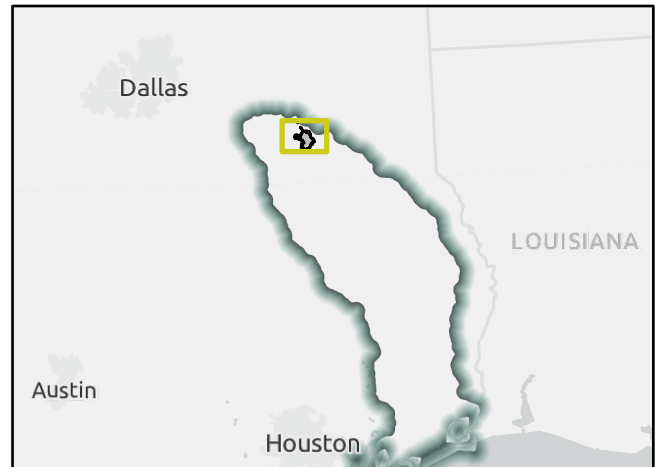**Other benefits** - **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Strategy Cost $2,000,000 **Amount of available funding** - **% Nature-Based** 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: Shelby County Roadway/Bridge Elevation

ID#: 052000137   Sponsor: Shelby (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Shelby

Strategy description: Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.

Goal(s):
Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk: 8   # of structures: 15   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 56   Roadway(s) impacted (miles): 5

Number of low water crossings: 4   Historical road closures: 4
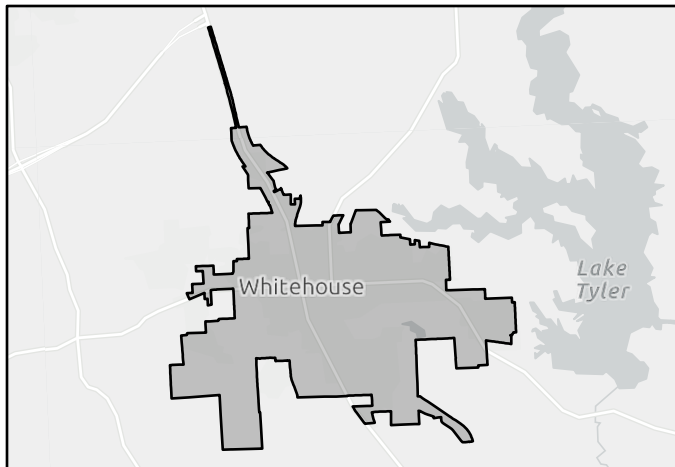
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $2,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Dallas

Austin

Houston

LOUISIANA

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: City of Tyler Open Channel Improvements

ID# 052000138 Sponsor Tyler (Municipality)

RFPG recommend? Yes Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects County: Smith

Strategy description: Implement a program to enclose open channels that are contributing to flooding. Priority locations are: 1) Ashmore subdivision between Ashmore and Salisbury and 2) Fleishel Ave. between 6th and 8th Streets.

Goal(s): Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 7,482 # of structures 1,042 Critical facilities 72

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres) 4 Roadway(s) impacted (miles) 23

Number of low water crossings 31 Historical road closures 31

100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

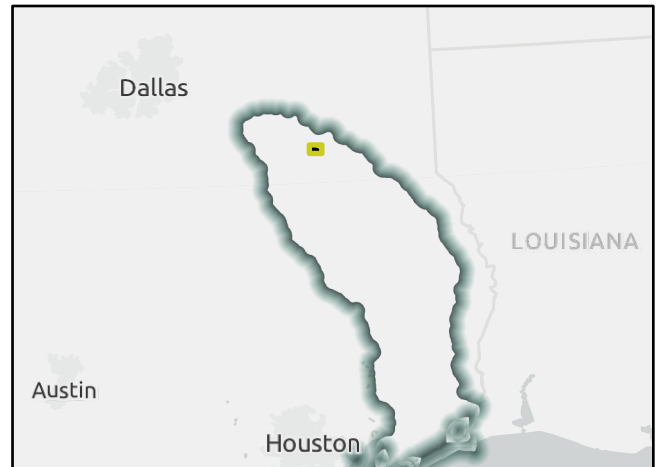Other benefits - Reduction in # of road closures over 10 years -

Impacts

Negative impacts? No Negative impacts description -

Water supply contributions? No Water supply contribution description -

Estimated Cost

Strategy Cost $1,500,000 Amount of available funding - % Nature-Based 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   City of Whitehouse Drainage Capacity Upgrades

ID#   052000139   Sponsor   Whitehouse (Municipality)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Infrastructure Projects   County   Smith

Strategy description   Establish a plan to increase stormwater drainage capacity by completing a hydraulic study, evaluating historical water drainage, then constructing needed improvements.

Goal(s)   Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk 98   # of structures   33   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   Yes   Playa?   No   Other?   No

Farm/Ranch land impacted (acres) 2   Roadway(s) impacted (miles)   1

Number of low water crossings   2   Historical road closures   2

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr -   Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

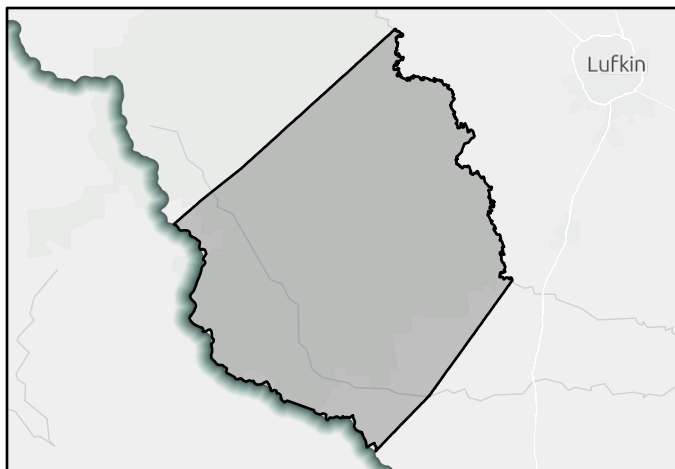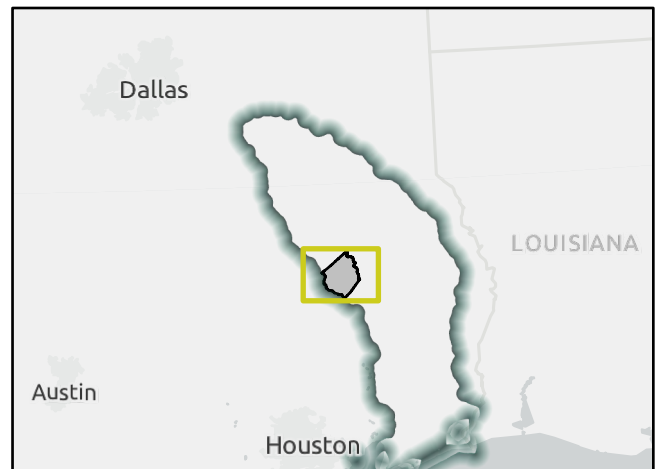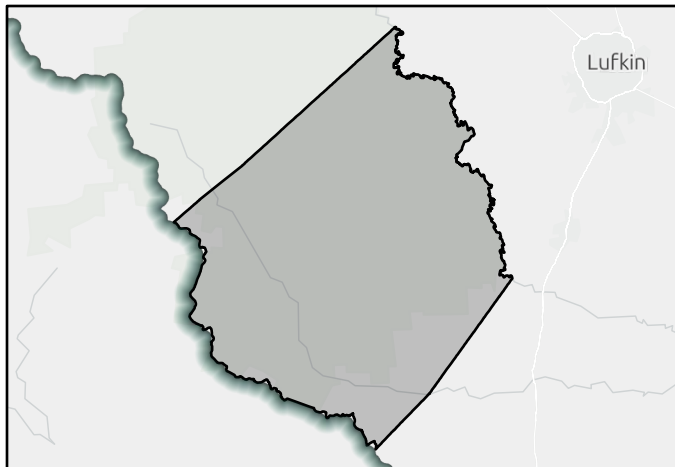Other benefits   -   Reduction in # of road closures over 10 years -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $1,000,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title Trinity County Flood Infrastructure Upgrades

ID# 052000140 Sponsor Trinity (County)

RFPG recommend? Yes Reason for Recommendation Complies with RFPG Goals

Strategy Details

Strategy type Infrastructure Projects County Trinity

Strategy description Within the county, develop a plan to install/improve culverts and headwalls in addition to expanding stormwater ditches and canals

Goal(s) Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk 15 # of structures 32 Critical facilities 0

Flood risk type: Riverine? Yes Coastal? No Local? Yes Playa? No Other? No

Farm/Ranch land impacted (acres) 68 Roadway(s) impacted (miles) 22

Number of low water crossings 1 Historical road closures 1

100-Year Flood Risk Reduction

Population removed from 100-yr - # of structures removed from 100-yr -

Critical facilities removed from 100-yr - Farm/Ranch land removed from 100-yr (acres) -

Road removed from 100-yr (miles) - Low water crossings removed from 100-yr -

Other benefits - Reduction in # of road closures over 10 years -

Impacts

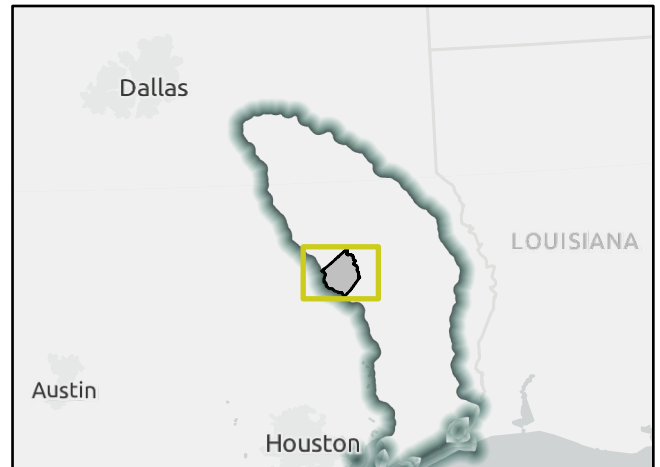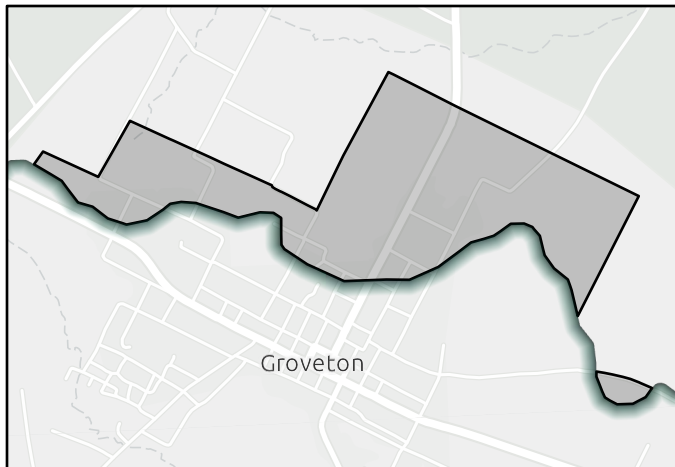Negative impacts? No Negative impacts description -
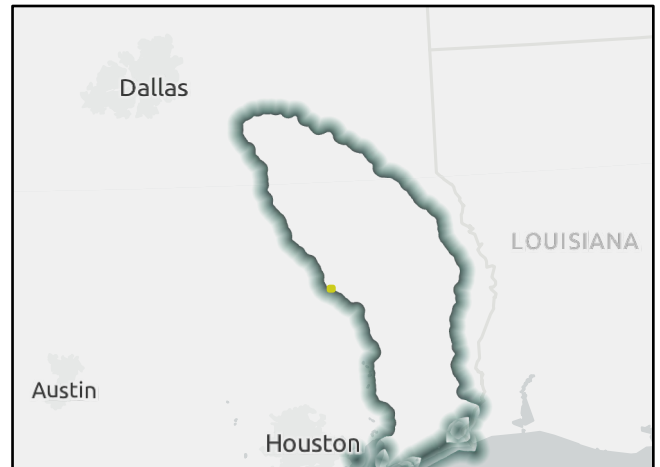
Water supply contributions? No Water supply contribution description -

Estimated Cost

Strategy Cost $2,000,000 Amount of available funding - % Nature-Based 0

FMS area 140 of 147 Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Trinity County Flood-prone Infrastructure Upgrades

ID# 052000141   Sponsor: Trinity (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Trinity

Strategy description: Develop a program to upgrade flood infrastructure in the county. May include general roadway elevation upgrading culverts and installing headwalls; upgrades and reinforcement of bridges and bridge footings; etc.

Goal(s): Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk: 15   # of structures: 32   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? No

Farm/Ranch land impacted (acres): 68   Roadway(s) impacted (miles): 22

Number of low water crossings: 1   Historical road closures: 1

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

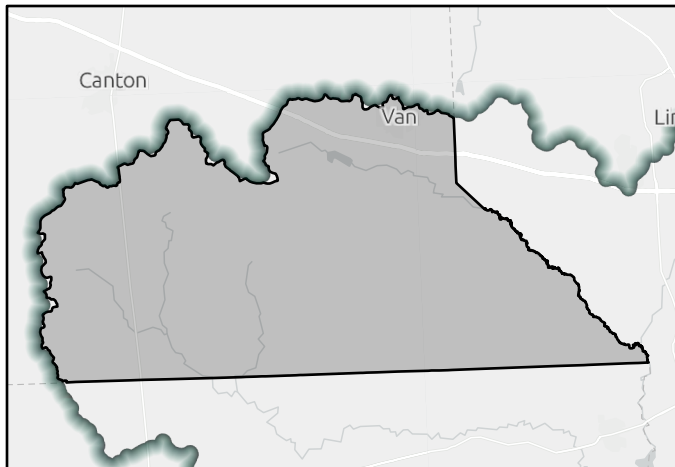Other benefits: -   Reduction in # of road closures over 10 years: -
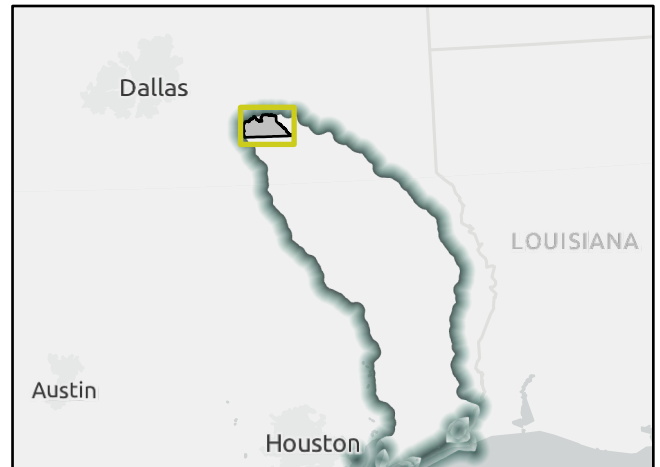
Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $2,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title   City of Groveton Flood Infrastructure Upgrades

ID#   052000142   Sponsor   Groveton (Municipality)

RFPG recommend?   Yes   Reason for Recommendation   Complies with RFPG Goals

Strategy Details

Strategy type   Infrastructure Projects   County   Trinity

Strategy description   Within the city, develop a plan to install/improve culverts and headwalls in addition to expanding stormwater ditches and canals

Goal(s)   Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.

Existing 100-Year Flood Risk

Population at risk   2   # of structures   3   Critical facilities   0

Flood risk type: Riverine?   Yes   Coastal?   No   Local?   Yes   Playa?   No   Other?   No

Farm/Ranch land impacted (acres)   0   Roadway(s) impacted (miles)   0

Number of low water crossings   0   Historical road closures   0

100-Year Flood Risk Reduction

Population removed from 100-yr   -   # of structures removed from 100-yr   -

Critical facilities removed from 100-yr   -   Farm/Ranch land removed from 100-yr (acres)   -

Road removed from 100-yr (miles)   -   Low water crossings removed from 100-yr   -

Other benefits   -   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions?   No   Water supply contribution description   -

Estimated Cost

Strategy Cost $750,000   Amount of available funding   -   % Nature-Based   0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Title: Van Zandt County Drainage Capacity Upgrades

ID# 052000143   Sponsor: Van Zandt (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Van Zandt

Strategy description: Establish a plan to increase Drainage Capacity; possible actions include installing French Drains, Building Elevation, and Upgrading Undersized Pipe under State Hwy for Water to Run into Creek.

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.

Existing 100-Year Flood Risk

Population at risk: 233   # of structures: 217   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 232   Roadway(s) impacted (miles): 13

Number of low water crossings: 0   Historical road closures: 0
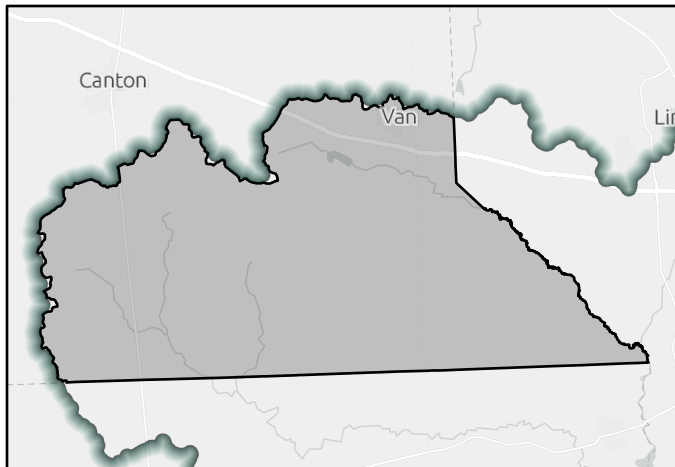
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

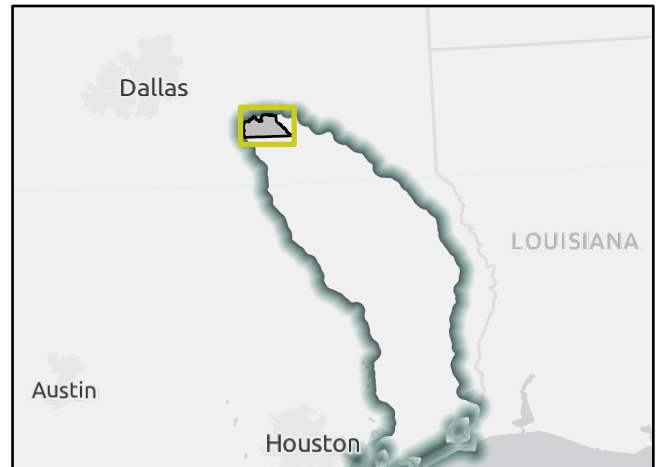Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $2,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

Title: Van Zandt County Flood Infrastructure Maintenance

ID# 052000144   Sponsor: Van Zandt (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Van Zandt

Strategy description: Adopt and Implement a Program for Clearing Debris from Bridges, Drains and Culverts. Reduce damages caused by flooding by maintaining or restoring drainage capacity.

Goal(s):
Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.
Goal 3: Increase percentage of areas with dedicated funding sources for operations and maintenance for storm drainage system to 50% of communities.

Existing 100-Year Flood Risk

Population at risk: 233   # of structures: 217   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 232   Roadway(s) impacted (miles): 13

Number of low water crossings: 0   Historical road closures: 0
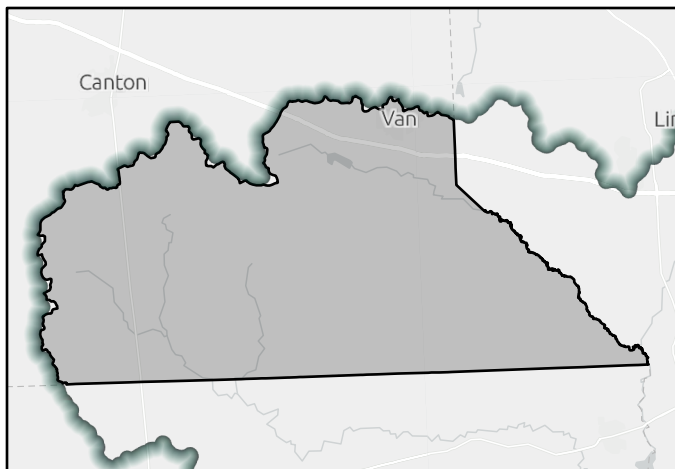
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

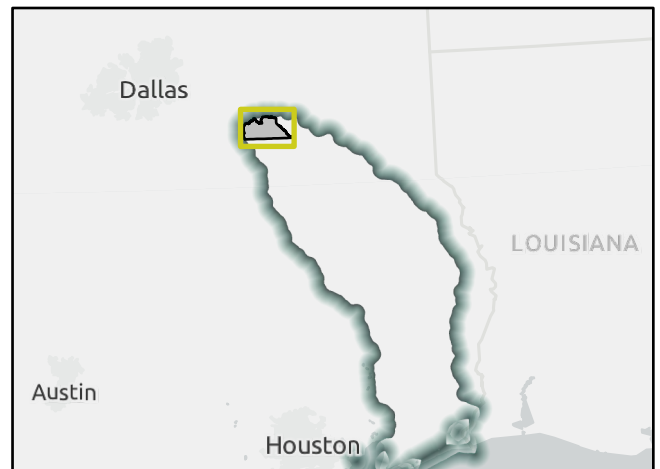Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $2,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Van Zandt County Road Elevation

ID# 052000145   Sponsor: Van Zandt (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Infrastructure Projects   County: Van Zandt

Strategy description: Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.

Goal(s): Goal 1: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 10% of structures.
Goal 2: Reduce exposure of existing and future structures in the 100-year flood risk inundation extents by elevating, acquiring, relocating, or otherwise providing flood protection to 30% of structures.

Existing 100-Year Flood Risk

Population at risk: 233   # of structures: 217   Critical facilities: 0

Flood risk type: Riverine? Yes   Coastal? No   Local? Yes   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 232   Roadway(s) impacted (miles): 13

Number of low water crossings: 0   Historical road closures: 0

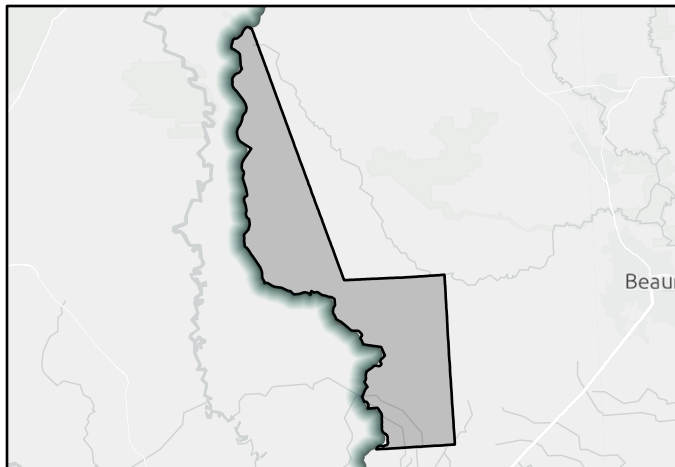## 100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

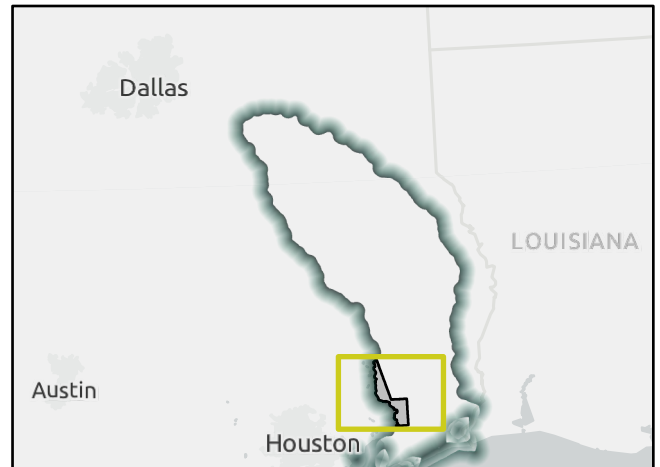Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $2,000,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Liberty County Topographical Mapping Update

ID#: 052000146   Sponsor: Liberty (County)

RFPG recommend? Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Other   County: Liberty

Strategy description: Purchase updated topographical maps/complete LiDAR aerial survey for drainage plan.

Goal(s): Goal 1: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 75% of areas identified as having current gaps in flood mapping.
Goal 2: Increase the coverage of flood hazard data across the region by completing detailed studies that utilize consistent methodology in 100% of areas identified as having current gaps in flood mapping.

Existing 100-Year Flood Risk

Population at risk: 143   # of structures: 116   Critical facilities: 1

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 1,526   Roadway(s) impacted (miles): 7

Number of low water crossings: 0   Historical road closures: 0
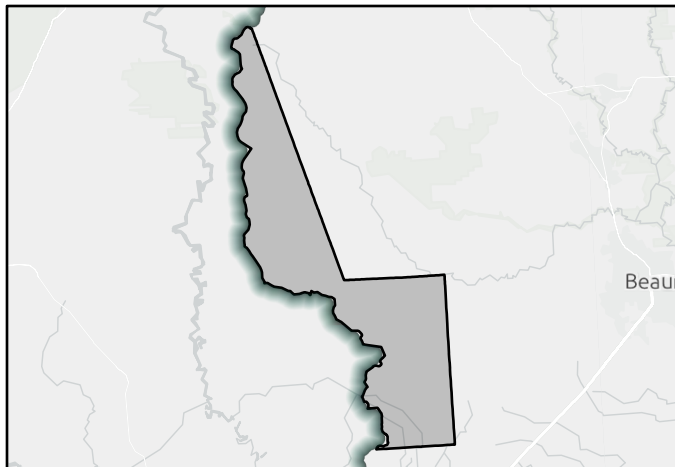
100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts? No   Negative impacts description: -

Water supply contributions? No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $107,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Management Strategy (FMS)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Liberty County Drainage District Multi-County Coordination

ID#: 052000147   Sponsor: Liberty County Drainage District

RFPG recommend?: Yes   Reason for Recommendation: Complies with RFPG Goals

Strategy Details

Strategy type: Other   County: Liberty

Strategy description: Work with adjoining counties regarding flood and drainage issues.

Goal(s):
Goal 1: An average of 10% of the new regional infrastructure projects between 2023 – 2033 will utilize larger storm events (>100-year) as the basis of their design.
Goal 2: An average of 25% of the new regional infrastructure projects between 2033- 2053 will utilize larger storm events (>100-year) as the basis of their design.
Goal 3: RFPG must consider in all projects and should incorporate nature-based practices and floodplain preservation in an average of 10% of their new flood risk reduction projects between 2023 - 2033.

Existing 100-Year Flood Risk

Population at risk: 143   # of structures: 116   Critical facilities: 1

Flood risk type: Riverine? Yes   Coastal? No   Local? No   Playa? No   Other? Yes

Farm/Ranch land impacted (acres): 1,526   Roadway(s) impacted (miles): 7

Number of low water crossings: 0   Historical road closures: 0

100-Year Flood Risk Reduction

Population removed from 100-yr: -   # of structures removed from 100-yr: -

Critical facilities removed from 100-yr: -   Farm/Ranch land removed from 100-yr (acres): -

Road removed from 100-yr (miles): -   Low water crossings removed from 100-yr: -

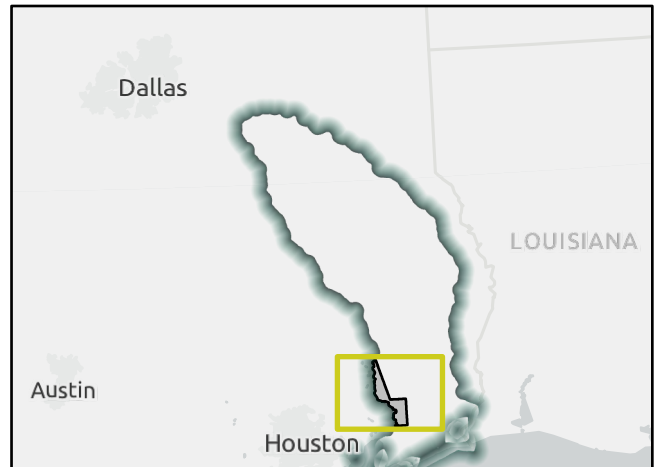Other benefits: -   Reduction in # of road closures over 10 years: -

Impacts

Negative impacts?: No   Negative impacts description: -

Water supply contributions?: No   Water supply contribution description: -

Estimated Cost

Strategy Cost: $50,000   Amount of available funding: -   % Nature-Based: 0

FMS area

Regional view of FMS area

Flood Mitigation Project (FMP)

Title Bayou Din Detention Basin

ID# 053000001 **Sponsor** Jefferson County Drainage District 6

RFPG recommend? Yes

Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

Project Description

Construct a new detention basin with nearby channel and crossing improvements in the vicinity of Bayou Din.

Watershed HUC# (if known) 120402010100,120402010200

Emergency Need? Yes

Drainage area (mi² est.) 19

Associated FME's 999999

County Jefferson

Associated FMS's 999999

Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type: **Riverine?** Yes **Coastal?** Yes **Local?** Yes **Playa?** No **Other?** No

Population at risk 1,297 **# of structures** 534 **Critical facilities** 21

Farm/Ranch land impacted (acres) 1,048 **Roadway(s) impacted (length)** 15

Number of low water crossings 5 **Historical road closures** 5

100-Year Flood Risk Reduction

Population removed from 100-yr 286 **# of structures removed from 100-yr** 101

Critical facilities removed from 100-yr 4 **Farm/Ranch land removed from 100-yr (acres)** 45

Road removed from 100-yr (miles) 0 **Low water crossings removed from 100-yr** 0

Other benefits Annual ecosystem services benefits of $20,673,627. **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No **Negative impacts description** -

Water supply contributions? No **Water supply contribution description** -

Estimated Cost

Project Cost $85,000,000 **% Nature-Based** - **BCR** 5

Recurring costs $6,144,283

Issues USACE coordination may be required due to presence of wetlands. Survey may be required to avoid existing utility conflicts from nearby residential and industrial properties.
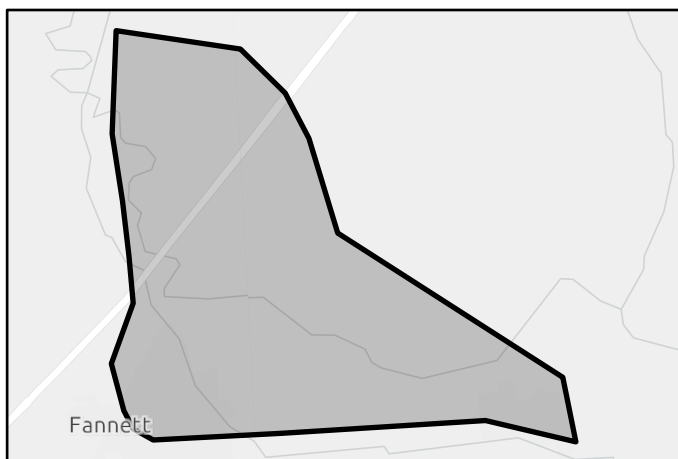
FMP area
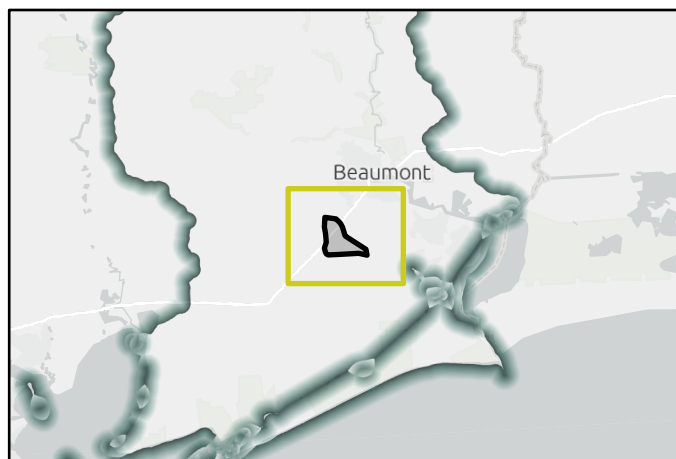
Regional view of FMP area

Flood Mitigation Project (FMP)

REGION 5 NECHES
REGIONAL FLOOD PLANNING GROUP

Title Bessie Heights Drainage Ditch Extension Project

ID# 053000002   Sponsor Orange County Drainage District

RFPG recommend? Yes

Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

Project Description

Expand the Bessie Heights Drainage Ditch to address flooding risk to residential properties in the area.

Watershed HUC# (if known) 120200030407

Emergency Need? Yes

Drainage area (mi² est.) 3

Associated FME's 999999

County Orange

Associated FMS's 999999

Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes   Coastal? Yes   Local? Yes   Playa? No   Other? No

Population at risk 207   # of structures 139   Critical facilities 0

Farm/Ranch land impacted (acres) 6   Roadway(s) impacted (length) 3

Number of low water crossings   0   Historical road closures 0

100-Year Flood Risk Reduction

Population removed from 100-yr   10   # of structures removed from 100-yr   8

Critical facilities removed from 100-yr   0   Farm/Ranch land removed from 100-yr (acres) 0

Road removed from 100-yr (miles)   0   Low water crossings removed from 100-yr   0

Other benefits   N/A   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions? No   Water supply contribution description -

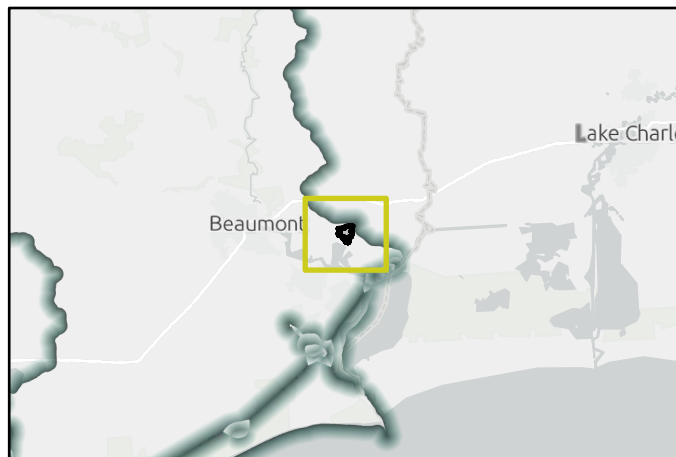## Estimated Cost

Project Cost $4,250,000

% Nature-Based -   BCR 0

Recurring costs $307,214

Issues Project is located in a concentrated area of residential buildings. Coordination is likely required with the city and local residents for construction operations.
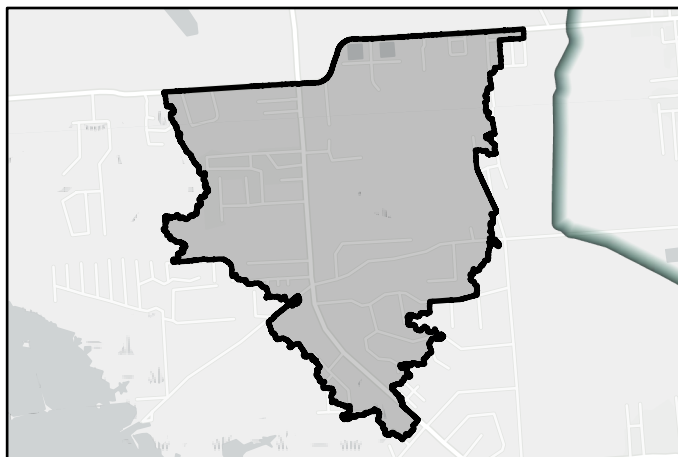
FMP area

Regional view of FMP area

Flood Mitigation Project (FMP)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title   Channel 100-A Concrete Repair

ID#   053000003   Sponsor   Jefferson County Drainage District 6

RFPG recommend?   Yes   Reason for Recommendation   Project in area of emergency need and complies with RFPG Goals

Project Description

Conduct repairs and install improvements to Channel 100-A located within the city of Beaumont.

Watershed HUC# (if known)   120402010200

Emergency Need?   Yes

Drainage area (mi² est.)   3

Associated FME's   999999

County   Jefferson

Associated FMS's   999999

Associated FMP's   999999

Existing 100-Year Flood Risk

Flood risk type: Riverine? Yes   Coastal? Yes   Local? Yes   Playa? No   Other? No

Population at risk 7,388   # of structures 1,622   Critical facilities 9

Farm/Ranch land impacted (acres) 2   Roadway(s) impacted (length) 24

Number of low water crossings 0   Historical road closures 0

100-Year Flood Risk Reduction

Population removed from 100-yr   53   # of structures removed from 100-yr   10

Critical facilities removed from 100-yr   0   Farm/Ranch land removed from 100-yr (acres) 0

Road removed from 100-yr (miles)   0   Low water crossings removed from 100-yr   0

Other benefits   Annual ecosystem services benefits of $1,944,072.   Reduction in # of road closures over 10 years   -

Impacts

Negative impacts?   No   Negative impacts description   -

Water supply contributions? No   Water supply contribution description   -
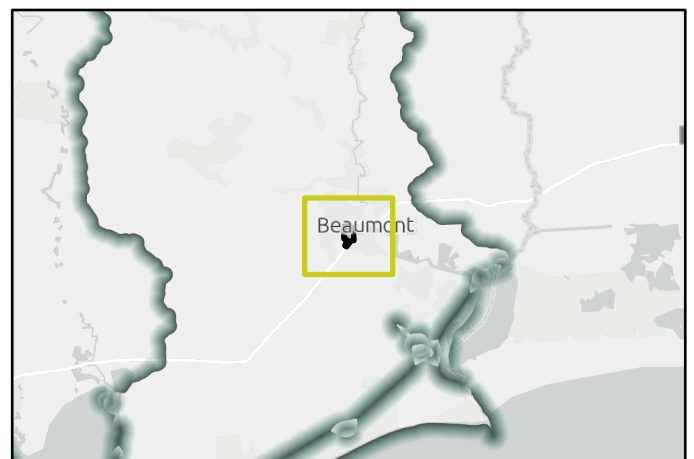
Estimated Cost

Project Cost $39,570,866   % Nature-Based -   BCR 11

Recurring costs $2,873,418   Issues   There is a high density of residential development near the project location. Transportation to project site could be hampered and work may have to be done surveying land to prevent negatively impacting existing utilities.
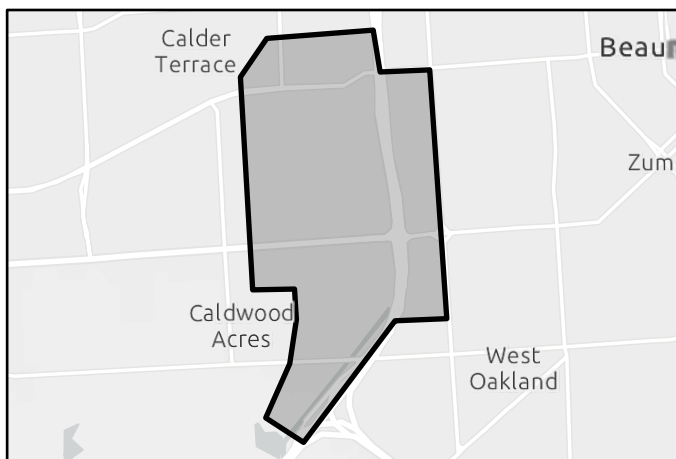
FMP area

Regional view of FMP area

Flood Mitigation Project (FMP)

REGION 5

NECHES

REGIONAL FLOOD PLANNING GROUP

Title: Port Arthur and Vicinity Coastal Storm Risk Management Project

ID# 053000004   Sponsor: Jefferson County Drainage District 7

RFPG recommend? Yes

Reason for Recommendation: Project in area of emergency need and complies with RFPG Goals

Project Description

Construct levees, floodwalls, pump stations, drainage structures, and other flood mitigation infrastructure to reduce adverse flood impact in the vicinity of the city of Port Arthur.

Watershed HUC# (if known) 120200030407,120402010300

Emergency Need? Yes

Drainage area (mi² est.) 66

Associated FME's 999999

County Jefferson

Associated FMS's 999999

Associated FMP's 999999

Existing 100-Year Flood Risk

| Flood risk type: | Riverine? Yes | Coastal? Yes | Local? No | Playa? No | Other? No |

Population at risk 49,671   # of structures 23,310   Critical facilities 1,201

Farm/Ranch land impacted (acres) 97   Roadway(s) impacted (length) 327

Number of low water crossings 3   Historical road closures 3

100-Year Flood Risk Reduction

Population removed from 100-yr 8,315   # of structures removed from 100-yr 3,275

Critical facilities removed from 100-yr 71   Farm/Ranch land removed from 100-yr (acres) 12

Road removed from 100-yr (miles) 32   Low water crossings removed from 100-yr 0

Other benefits N/A   Reduction in # of road closures over 10 years -

Impacts
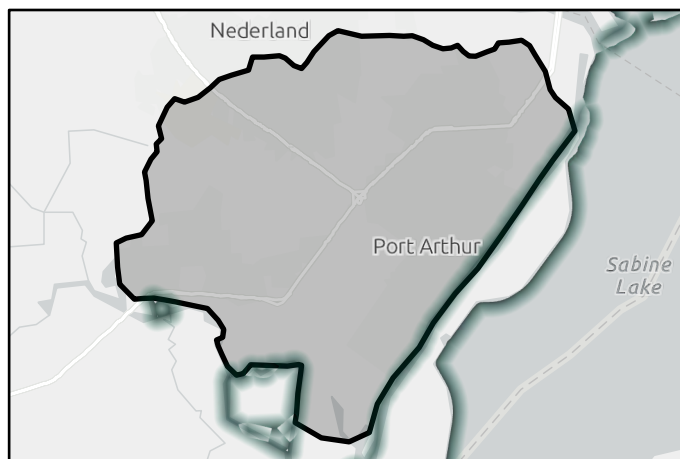
Negative impacts? No   Negative impacts description -

Water supply contributions? No   Water supply contribution description -

Estimated Cost
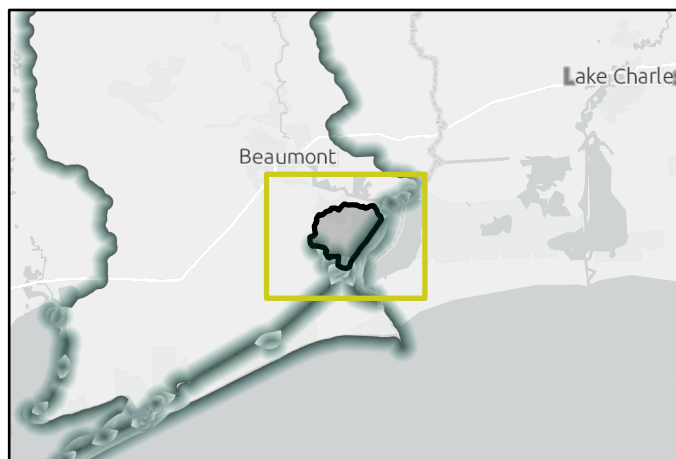
Project Cost $863,000,000   % Nature-Based -   BCR 5

Recurring costs $40,841,408

Issues: There are industrial facilities and residential properties near the project; project may change in design to avoid right-of-way infringements and existing utility conflicts.

FMP area

Regional view of FMP area

Flood Mitigation Project (FMP)

Title Orange County Coastal Storm Risk Management Project

ID# 053000005   **Sponsor** Orange County Drainage District

RFPG recommend? Yes

Reason for Recommendation Project in area of emergency need and complies with RFPG Goals

REGION 5
NECHES
REGIONAL FLOOD PLANNING GROUP

Project Description

Construct levees, floodwalls, pump stations, drainage structures, and other flood mitigation infrastructure to reduce adverse flood impact in Orange County.

Watershed HUC# (if known) 120200030407,120100051005,12010005100

Emergency Need? Yes

Drainage area (mi² est.) 14

Associated FME's 999999

County Orange

Associated FMS's 999999

Associated FMP's 999999

Existing 100-Year Flood Risk

Flood risk type: **Riverine?** Yes   **Coastal?** Yes   **Local?** No   **Playa?** No   **Other?** No

Population at risk 6,708   **# of structures** 3,872   **Critical facilities** 49

Farm/Ranch land impacted (acres) 43   **Roadway(s) impacted (length)** 61

Number of low water crossings 1   **Historical road closures** 1

100-Year Flood Risk Reduction

Population removed from 100-yr 357   **# of structures removed from 100-yr** 201

Critical facilities removed from 100-yr 0   **Farm/Ranch land removed from 100-yr (acres)** 2

Road removed from 100-yr (miles) 2   **Low water crossings removed from 100-yr** 0

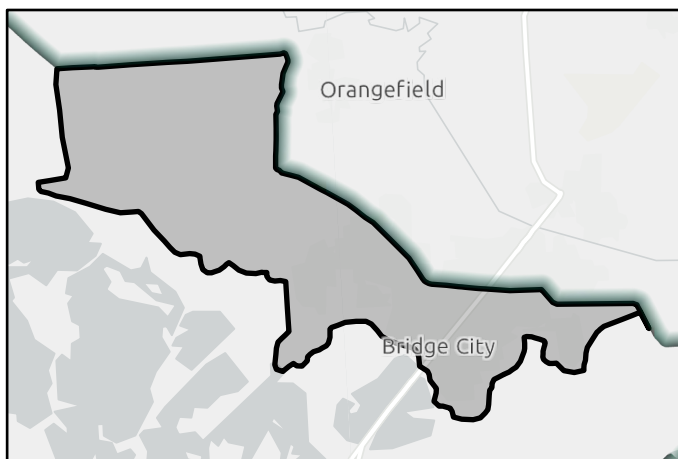**Other benefits** N/A   **Reduction in # of road closures over 10 years** -

Impacts

Negative impacts? No   **Negative impacts description** -

Water supply contributions? No   **Water supply contribution description** -

Estimated Cost

Project Cost $119,900,000   **% Nature-Based** -   **BCR** 1

Recurring costs $173,485,632

Issues There are industrial facilities and residential properties near the project; project may change in design to avoid right-of-way infringements and existing utility conflicts.

FMP area

Regional view of FMP area